



## SEQUENCE LISTING

<110> Arcturus Bioscience, Inc.  
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Mao, Xiao-Jun  
Sgroi, Dennis C.

<120> Predicting Outcome With Tamoxifen In Breast Cancer

<130> 022041-001410US

<140> 10/727,100

<141> 2003-12-02

<150> US 60/504,087

<151> 2003-09-19

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tgtgaggtgc aattacacag aggccttcca gactcagacc agaccctctg gtggtaaatg 360  
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 gcgtcccttt cctcttggga tagcaacaga agcaagccgg gaggtgtgtg cctcttcttc 840  
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<210> 38  
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 <212> DNA  
 <213> Homo sapiens

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 aatgctacat tagttagcaa tatttgaaaa ttttattggt ataaaatgtt ttaattacta 180  
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 ttctgcacag aaagcagtgg catccttcat gaggtgtgtac ttggggcaga cactgagagc 420  
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488

<210> 39

<211> 509

<212> DNA

<213> Homo sapiens

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ttagttaatg ctacattagt tagcaatatt tgaaaatttt attggtataa aatgttttaa 180

ttactaaggc tgtttgtagg ctgcatagta agcttcagga tcatcacacg tttttccct 240

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gcagcagcca tcgtggcagg cttgtgatct tttcctgct gacacctgct gcttgacatg 360

gagaagttct gcacagaaag cagtggcatc ctcatgagg tggacttgg ggcagacact 420

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<210> 40

<211> 502

<212> DNA

<213> Homo sapiens

<400> 40

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aatgctacat tagttagcaa tatttgaaaa tttattggt ataaaatgtt ttaattacta 180

aggctgtttg taggctgcat agtaagcttc aggatcatca cacgttttt ccctgtaatt 240

ggtgggatag gaagccttta aggtctcttg ctctcatgg gtgggctaca aggagcagca 300

gccatcgtag caggcttgat atcttttcc tgctgacacc tgctgcttga catggagaag 360

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attgtaatcg tcttttgtat caatctctct aaagtagacc accacgtatt tgtgcagatg 480

aatctggctt cttagatcac tg 502

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<211> 460

<212> DNA

<213> Homo sapiens

<400> 41

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agttaatgct acattagtta gcaatatttg aaaattttat tggataaaa tgtttaatt 180

actaaggctg ttgtaggct gcatagtaag cttcaggatc atcacacgtt tttccctgt 240

aattgggtggg ataggaagcc ttaaggtct cttgcttctc atgggtgggc tacaaggagc 300

agcagccatc gtggcaggct tgtgatcttt ttctgctga cacctgctgc ttgacatgga 360

gaagttctgc acagaaagca gtggcatcct tcatgaggtg gtacttgggg cagacactga 420

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<210> 42

<211> 510

<212> DNA

<213> Homo sapiens

<400> 42

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aatgctacat tagttagcaa tatttgaaaa ttatttggt ataaaatgtt ttaattacta 180

aggctgtttg taggctgcat agtaagcttc aggatcatca cacgttttt ccctgtaatt 240

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gccatcgtgg caggcttgtg atcttttcc tgctgacacc tgctgcttga catggagaag 360  
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<210> 43  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<400> 43  
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 tgaatactaa ctctaagaac cctcactga ttactcaat agcatcttaa gtgaaaaacc 240  
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 gaaccactt ttactggacc aaatgatcta ttatatgtgt accacttgta tgatttgta 360  
 ttgcataag acctccctc tacaaactag attcatatct tgattcttgt acaggtgcct 420  
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<210> 44  
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 <212> DNA  
 <213> Homo sapiens

<400> 44  
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 acagttttta ttgaaaacta taaccatttt gataatgcaa caataaagca tcttcagcca 180  
 aacatctagt cttccataga ccatgcattg cagtgtaccc agaactgttt agctaattatt 240

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 ttaagtgaac aaccttctat tacatgcaaa aaatcattgt tttaagata acaaaagtag 360  
 ggaataaaca agctgaaccc acttttactg gaccaaata tctattatat gtgtaaccac 420  
 ttgtatgatt tgggtattgc ataagacctt ccctctacaa actagattca tatcttgatt 480  
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 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 45  
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 tgggtgggata ggaagccttt aaggctctct gcttctcatg ggtgggctac aaggagcagc 180  
 agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctacttg acatggagaa 240  
 gttctgcaca gaaagcagtg gcatccttca tgagggtgta ctgggggcag aactgagag 300  
 cattgtaac gctttttgta tcaatctctc taaagtagac caccacgtat ttgtgcagat 360  
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 <213> Homo sapiens

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 <223> a or g or c or t/u

<400> 46  
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 tgcattggtct atggaagact agatgtttgg ctgaagatgc ttattgttg cattatcaaa 240  
 atggttacag tttcaatta aagctgtaat tgatttctat gtataaaaca gctttgaagt 300  
 tgtaaatgta gttccaatc gttagttaat gctacattag ttagcaatat ttgaaaattt 360  
 tattggtata aaatgtttta attactaagg ctgtttgtag gctgcatagt aagcttcagg 420  
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 <212> DNA  
 <213> Homo sapiens

<400> 47  
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 aagcctttaa ggtctctgc ttctcatggg tgggctacaa ggagcagcag ccatcgtggc 180  
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 aagcagtggc atccttcatt aggtggtact tggggcagac actgagagca ttgtaatcgt 300  
 cttttgtatc aatctctcta aagtagacca ccacgtattt gtgcagatga atctggcttc 360  
 ttgatcact gcagaaaagg ttaaaggcaa gggggaagag gtcttgagag ttctactgg 420

<210> 48  
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 <212> DNA  
 <213> Homo sapiens

<400> 48  
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taatgctaca ttagttagca atatttgaaa attttattgg tataaaatgt ttttaattact 180  
 aaggctgttt gtaggcttgc atagaagctt caggatcatc acacgtttt tccttgaat 240  
 tggtagggata ggaagccttt aaggctctt gcttctcatg ggtgggctac aaggagcagc 300  
 agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctgcttg acatggagaa 360  
 gttctgcaca gaaagcagtg gcatccttca tgaggtagta cttggggcag aactgagag 420  
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 <211> 416  
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 <213> Homo sapiens

<400> 49  
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 gataggaagc cttaaggctc tcttgcttct catgggtggg ctacaaggag cagcagccat 180  
 cgtggcaggc ttgtgatctt tttcctgctg acacctgcta ctgacatgg agaagttctg 240  
 cacagaaagc agtggcatcc ttcagaggt ggtacttggg gcagacactg agagcattgt 300  
 aatcgtcttt tgcataatc tctctaaagt agaccaccac gtattgtgc agatgaatct 360  
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<210> 50  
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 <212> DNA  
 <213> Homo sapiens

<400> 50  
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taaggctgtt ttaggctgc atagtaagct tcaggatcat cacacgtttt ttcctgtaa 240  
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 cagccatcgt ggcaggcttg tgatctttt cctgctgaca cctgctgctt gacatggaga 360  
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 <212> DNA  
 <213> Homo sapiens

<400> 51  
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 cagcagccat cgtggcaggc ttgtgatctt ttcctgctg acacctgctg cttgacatgg 360  
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<210> 52  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 52  
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 taattaatga atactaactc taagaacccc tactgattc actcaatagc atcttaagt 240  
 aaaaaccttc tattacatgc aaaaaatcat tgttttaag ataacaaaag tagggaataa 300

acaagctgaa cccactttta ctggaccaa tgatctatta tatgtgaac cacttgatg 360

atttgattt gcataagacc ttcctctac aaactagatt catatcttga ttct 414

<210> 53

<211> 414

<212> DNA

<213> Homo sapiens

<400> 53

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gtcttcata gaccatgcat tgcagtgtac ccagaactgt ttagctaata ttctatgtt 180

aattaatgaa tactaactct aagaaccct cactgattca ctcaatagca tcttaagtga 240

aaaacctct attacatgca aaaaatcatt gttttaaga taacaaaagt aggaataaa 300

caagctgaac ccactttac tggaccaaat gatctattat atgtgtaacc acttgatga 360

tttggtatt gcataagacc ttcctctac aaactagatt catatcttga ttct 414

<210> 54

<211> 484

<212> DNA

<213> Homo sapiens

<400> 54

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ggcttcttag atcactgcag aaaagggtta aggcaagggg gaagaggtct tgagagtct 420

cactgggact gccctcgctc ttgccacagg taccatcgca cacactgttg acgtcattgg 480

aaag 484

<210> 55

<211> 398

<212> DNA

<213> Homo sapiens

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atgctacatt agttagcaat atttgaaaat ttattggta taaaatgtt taattactaa 180

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ccatcgtggc aggccttgta tcttttcct gctgacacct gctgcttgac atggagaagt 360

tctgcacaga aagcagtggc atccttcattg aggtggta 398

<210> 56

<211> 401

<212> DNA

<213> Homo sapiens

<400> 56

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taatgtaca ttagttagca atattgaaa atttattgg tataaaatgt tttaattact 180

aaggctgtt gtaggctgca tagtaagctt caggatcatc acacgtttt tcctgtaat 240

tggtgggata ggaagccttt aaggtctctt gcttctcatg ggtgggctac aaggagcagc 300

agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctgctg acatggagaa 360

gttctgcaca gaaagcagtg gcattcctca tgaggtggta c 401

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<211> 392  
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<213> Homo sapiens

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<223> a or g or c or t/u

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aagttctgca cagaaagcag tggcat 386

<210> 59

<211> 386

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<213> Homo sapiens

<400> 59

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<210> 60

<211> 386

<212> DNA

<213> Homo sapiens

<400> 60

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gcagccatcg tggcaggctt gtgatcttt tctgctgac acctgctgct tgacatggag 360

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<212> DNA  
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atgctacatt agtttagcaat atttgaaaat ttattggta taaaatgttt taattactaa 180  
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tctgcacaga aag 373

<210> 62  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 62  
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<210> 63  
<211> 457  
<212> DNA

<213> Homo sapiens

<400> 63

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atcactgcag aaaagggttaa aggcaagggg gaagaggtct tgagagttct cactgggact 420  
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<210> 64

<211> 365

<212> DNA

<213> Homo sapiens

<400> 64

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catagaccat gcattgcagt gtaccagaa ctgttagct aatattctat gttaattaa 180  
tgaatactaa ctctaagaac ccctactga ttactcaat agcatcttaa gtgaaaacc 240  
ttctattaca tgcaaaaaat cattgttttt aagataacaa aagtagggaa taaacaagct 300  
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<223> a or g or c or t/u

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gttaatgcta cattagttag caatattga aaattttatt ggtataaaat gttttaatta 180

ctaaggctgt tttaggctg catagtaagc ttaaggccca tcacacgttt ttccctgta 240

attggtggga taggaagcct ttaaggtctc ttgcttntca tgggtgggct acaaggagca 300

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aacgtgtaca aagtttaggt tcagaccccg ggagtcttgg gcacgtgggt ctcgggtcac 180  
 tggttttgac tttagggctt tggtagat gtgtgaccaa ggggaaaatg tgcatacaaa 240  
 cactagaggt atgggcgaca cganaacgaa cgggaagttt tggctgaagt aggagtcttg 300  
 gtgagatttt gctctgatgc atgggtgtaa ctttctgagc ctcttgtttt tcctcaagct 360  
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 cctttaaggt ctcttgcttc tcatgggtgg gctacaagga gcagcagcca tcgtggcagg 180  
 ctgtgatct tttcctgct gacacctgct gcttgacatg gagaagtct gcacagaaag 240  
 cagtggcatc cttcatgagg tggacttgg ggcagacact gagagcattg taatcgtctt 300  
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 gatcactgca gaaaaggta aaggcaaggg ggga 394

<210> 68  
 <211> 437  
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 ctttaaggct tcttgcttct catgggtggg ctacaaggag cagcagccat cgtggcaggc 180  
 ttgtgatctt tttcctgctg acacctgctg cttgacatgg agaagtctg cacagaaagc 240

agtggcatcc ttcatgaggt ggtacttggg gcagacactg agagcattgt aatcgtcttt 300

tgatcaatc tctctaaagt agaccaccac gtatttgtgc agatgaatct ggcttcttag 360

atcactgcag aaaagggttaa aggcaagggg gaagaggtct tgagagttct cactgggact 420

gccctcgctc ttgccac 437

<210> 69

<211> 321

<212> DNA

<213> Homo sapiens

<400> 69

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ggataggaag cctttaaggt ctcttgcttc tcatgggtgg gctacaagga gcagcagcca 180

tcgtggcagg cttgtgatct ttttctgct gacacctgct gcttgacatg gagaagttct 240

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<210> 70

<211> 321

<212> DNA

<213> Homo sapiens

<400> 70

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ggataggaag cctttaaggt ctcttgcttc tcatgggtgg gctacaagga gcagcagcca 180

tcgtggcagg cttgtgatct ttttctgct gacacctgct gcttgacatg gagaagttct 240

gcacaaaaag cagtggcatc cttcatgagg tggacttgg ggcagacact gagagcattg 300

taatcgtctt ttgtatcaat c 321

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<213> Homo sapiens

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cagaactgtt tagctaataat tctatgttta attaatgaat actaactcta agaaccctc 180  
actgattcac tcaatagcat ctttaagtga aaaccttcta ttacatgcaa aaaatcattg 240  
ttttaagat aacaaaagta gggaataaac aagctgaacc cacttttact ggaccaaag 300  
atctattata tgtg 314

<210> 72  
<211> 286  
<212> DNA  
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atgctacatt agtttagcaat atttgaaaat ttattggta taaatgttt taattactaa 180  
ggctgtttgt aggctgcata gtaagcttca ggatcatcac acgtttttc cctgtatgg 240  
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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atncaactnct ttctgtgcag actnnncatg tcaagcagca ggtgtcagca ggaaaaagan 180

cacaagctcc ncgatggctg ctgctccttg tagcccncca tgagaagcaa gagncttaaa 240

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ctacaancag ccttagtaat taaacnttt att 333

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<223> a or g or c or t/u

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taattgattt ctatgtataa aacagctttg aagttgtaa tgtagttcc aatcgtagt 120

taatgtaca ttggttagca atattgaaa attttattgg nataaaatgt ttttaattact 180

aaggctgttt gtaggctgca tagtaagctt caggatcatc acacgtttt nccctgtaat 240

tgggtgggga tagggaagcc cttaagggt ctcttgcttc tcatggggtg gggcctacna 300

agggagcagc cagcccatcg tggccagggc cttgtgganc cttttccct gcctggacac 360

cctgcctgcc ttggaccatg gggaggaagg ttctggcacc aggaaagcca ggtggcccat 420

ccctccatg aggggtgggt acttnggggg gccaggacca ctgaggngcc attggtaatc 480

cgctcttttn gtatccaatc cctcctaag gtaggncccc cc 522

<210> 75

<211> 277

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<213> Homo sapiens

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<223> a or g or c or t/u

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catgtaatag aaggttttc acttaagatg ctattgagtg aatcagtgag gggttcttag 120  
agttagtatt cattaattaa acatagaata ttagctaaac agttctgggt acactgcaat 180  
gcatggtcta tggaagacta gatgtttggc tgaagatgct tttattgtg cattatcaan 240  
atggtttata gtttcaatt aaaactgtaa ttgattt 277

<210> 76  
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atgctacatt agtttagcaat atttgaaaat tttattggta taaaatgttt taattactaa 180  
ggctgtttgt aggctgcata gtaagcttaa ngatcatacn cacgttttc cctgaatttg 240  
gtgggataan gaagccttta aaggt 265

<210> 77  
<211> 350  
<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<222> (326)..(326)

<223> a or g or c or t/u

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<222> (341)..(341)

<223> a or g or c or t/u

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aagcttcagg ancatcacac gtttttccc tgtaattggt ggcataggaa gcctttaagg 120

tctcttgctt ctcatgggtg ggctacaagg agcagcagcc atcgtggcag gcttgtgatc 180

ttttcctgc tgacacctgc tgcttgacat ggagaagttc tgcacagaaa gcagtggcat 240

ccttcatgag gtggtaacttg gggcagacac tgagagcatt gtaatcgtct ttgtatcaa 300

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<212> DNA

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<223> a or g or c or t/u

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ttttcctact tgtggcagcg actgcatccg acataaagga acagttgtgc tctgcccaca 180  
aacaggcgtc cctttccctc tggataacaa caaaagcaag ccggganggn ctgncctctc 240  
ctcctgctgt ctctgctggt ggccacatgg gtgctggtgg cagggatcta tctaattgtgg 300  
aggcacgaaa ggatcaagaa gacttccttt tctaaccacc acattactgc cccccattta 360  
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<210> 79  
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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ttccaatgac gtcaacagtg tgtgcgatgg tacctgtggc aagagcgagg gcagtcccag 120

tgagaactct caagacctct tcccccttgc cttaacctt ttctgcagtg atctaagaag 180

ccagattcat ctgcacaaat acgtgggtgg ctactttaga gagattgata caaaagacga 240

ttacaatgct ctcagtgtct gcccacaagta ccacctcatg aaggatgccca ctgctttctg 300

tgcagaactt ctccatgtca agcagcaggt gtcagcagga aaaagattca caagcctgcc 360

acgatggctg cttgcttctt tttagccca cccatgagga agncaagaga ccttnaaagg 420

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<211> 440

<212> DNA

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 cgtaggttaa tgctacatta gtagcaata ttgaaaatt ttattggtat aaaangtttt 180  
 aattactaag gctgtttgta ggctgcatag taagcttcag gatcatcaca cgtttttccc 240  
 ctgtaattgg tgggatagga agcctttaag gtctctngct tctcatgggt gggctacaag 300  
 gagcagcagc catcgtggca ggcttgtgan ctttncctg ctgacacctg ctgcttgaca 360  
 tgggagaagt tctgcacaga aaggcagtgg gcacacctca tgaggtgggt acttgggggn 420  
 cagacactga ggagcattgt 440

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 <212> DNA  
 <213> Homo sapiens

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 ccccttgcc ttaacctttt ctgcagtgat ctaagaagcc agattcatct gcacaaatac 180  
 gtggtggtct actttagaga gattgataca aaagacgatt acagtgtctc cagtgtctgc 240  
 cccaagtacc acctcatgaa ggatgccact gctttctgtg cagaactct ccatgtcaag 300  
 cagcaggtgt cagcaggaaa aagatcacia gcctgccacg atggccgctg ctctttagtag 360  
 cccacccatg agaagcaaga gaccttaaag gcttctatc ccaccaatta cagggaiaaa 420  
 acgtgtgatg atcctgaagc ttactatgca gcctacaaac agccttagta attaaaacat 480  
 ttataccaa taaaattttc aaatatgcta actaatgtag cattaactaa cgattggaaa 540  
 ctacatttac aactcaaag ctgtttata catagaaac aattacagct ttaattgaaa 600  
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<212> DNA

<213> Homo sapiens

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agaactctca agacctcttc ccccttgctt ttaacctttt ctgcagtgat ctaagaagcc 180

agattcatct gcacaaatac gtgggtgtct actttagaga gattgataca aaagacgatt 240

acagtgtctc cagtgtctgc cccaagtacc acctcatgaa ggatgccact gctttctgtg 300

cagaacttct ccatgtcaag cagcaggtgt cagcaggaaa aagatcacia gcctgccacg 360

atggccgctg ctcctttag cccacccatg agaagcaaga gaccttaaag gcttcctatc 420

ccaccaatta caggggaaaa aacgtgtgat gatcctgaag ctactat 468

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<212> DNA

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<223> a or g or c or t/u

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agcaatattt gaaaatttta ttggtataaa atgttttaata tactaaggct gtttgtaggc 180

tgcatagtaa gcttcaggat catcacacgt ttttncctg taattgggtg gggataggga 240

agcctttaag gtctcttgct tctcatgggg tggggctaca agggaggcag gcagccatcg 300

tgggcagggc ttgtgatctt ttccctgct gacacctgct gcttgacatg gggggaaggt 360  
 tctggcacag aaagcagtgg gcacccctca tgagggtggt acttgggggg cagacactga 420  
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<223> a or g or c or t/u

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gagaactctc aagacctctt ccccttgcc ttaaccttt tctgcagtga tctaagaagc 180

cagattcatc tgcacaaata cgtgggtggc tactttagag agattgatac aaaagacgat 240

tacaatgctc tcagtgtctg cccaagtac cacctcatga aggatgccac tgctttctgt 300

gcagaacttc tccatgtcaa gcagcaggtg tcagcaggaa aaagatcaca agcctgccac 360

gatngctgct gctccttgta gnccacccat gagaagcaag tgacctttaa aggnnttctc 420

atnccacn atttacaggg 440

<210> 85

<211> 630

<212> DNA

<213> Homo sapiens

<400> 85

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attaaaactg taattgattt ctatgtataa aacagctttg aagttgtaaa tgtagtttcc 120

aatcgtagt taatgctaca ttagttagca atattgaaa attttattgg tataaaatgt 180

tttaattact aaggctgttt gtaggctgca tagtaagctt caggatcatc acacgttttt 240

tcctgtaat tgggtgggata ggaagccttt aaggctcttt gcttctcatg ggtgggctac 300

aaggagcagc agccatcgtg gcaggcttgt gatcttttc ctgctgacac ctgctgcttg 360

acatggagaa gttctgcaca gaaagcagtg gcatccttca tgaggtggta cttggggcag 420

acactgagag cattgtaac gtcttttgta tcaatctctc taaagtagac caccacgtat 480

ttgtgcagat gaatctggct tcttagatca ctgcagaaaa ggttaaaggc aagggggaag 540

aggtcttgag agttctcact gggactgccc tcgctcttgc cacaggtacc atcgcacaca 600

ctgttgacgt cattggaaaa gaaggaagac 630

<210> 86

<211> 788

<212> DNA

<213> Homo sapiens

<400> 86

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tcattgaaa gaaggaagac gaccttgtct gctaccttct ttgagtggc aagccactgc 120

actggacca tctctgctat ttctttttc tgccactttt caaggatgac ctcacttctg 180

caatggtttt gaagaaattc agtgaagtaa caaattgtgt gatggaaaca tatttcagat 240

gggtaaacca caagaacctt aatggggggc agtagtgtgg tggtagaaaa ggaagtcttc 300

ttgatccttt ctgtgagagg agaaaagcat ttgttatctg tgaatagcaa acagcaggct 360

ttcactctgt aaaccatccc tgacaaatga tcccttgcta gagaatgtca gctgagcacc 420

aagggccttg ttagtgacag caaggaaaaa catcctgatg ttcttttga acacatcacc 480

tgaaacacac tgatgcttaa accttaactt ttttttttg ggggacatag tctcactctg 540

tcgcccaggc tggagtgcgt gggagaggac ctcggaaaga ctggcaagca tccgcataca 600

agggagtaac agcacaatac tccgtgaact tcggagccct ccaaaggaat actcaagggc 660

gggtaaagga tggcaagggt cgacggagag ccacagga gagcggaagg tagagaggag 720

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aacagaag 788

<210> 87

<211> 307

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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ttctgtgcag aacttctcca tgtcaagcag caggtgtcag caggaaaaag atcacaagcc 180  
tgccacgatg gctgctgctc cttgtagccc acctatgaga agcaagagac cttaaaggct 240  
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cagccnt 307

<210> 88  
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<212> DNA  
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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gttaatgcta cattagttag caatattga aaattttatt ggtataaaat gtttaatta 180

ctaaggctgt tttaggctg catagtaagc ttcaggatca tcacacgttt ttccctgta 240

attgggtggg ataggaagcc tttaaggtct ctgcttctc attgggtggg ctacaaggag 300

cagcagccat ccgtnngcaa ggctttgtgg atnct 335

<210> 89

<211> 639

<212> DNA \

<213> Homo sapiens

<400> 89

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aggaagacga cttgtctgc tggcttctg tgagtggcaa gccactgcag tggacccatc 120

tctgctattt tctttattct gccactttc aaggatgacc tcacttctgc aatggtttg 180

aagaaagttc agtgaagtaa caaattgtgt gatggaaaca tatttcagat gggtaaacca 240

caagaacctt aatggggggc agtagtgtgg tggtagaaaa ggaagtcttc ttgacccatt 300

ctgtgagagg agaaaagcat tagttatctg tgaacagcaa acagcaggca ttccacatct 360

gtaaaccatc cctgacaaat gatcccttgc tagagaatgt cagctgagca ccaagggggc 420

ttgttagtga cagcaaggac aaaacatcct gatgttcctt ttgaacacat cagctgaaac 480  
 aactgatgc tctaaaccgt taactattta ttaatggggg aacatagggtc tcaactcatg 540  
 tacgaccagg ctggagtgca gtgggggtga acatcgacag acatagcaaa ccaccgatca 600  
 ctagggaaac aacgcacaga actccagact taaaacacc 639

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 gggttaaaggc aagggggaag aggtcttgag agttctcact gggactgccc tcgctcttgc 180  
 cacaggtacc atgcacaca ctgttgacgt cattggaaag aaggaagacg actttgtctg 240  
 ctgccttctt ttgagtggca agccactgca ctggacccat ctctgctatt ttcttttct 300  
 gccacttttc aaggatgacc tcacttctgc aatggttttg aagaaattca gtgaagtaac 360  
 aaatntgtgt gatggaaaca tatttcagat gggtaaacca caagaacctt aatggggggc 420  
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 <213> Homo sapiens

<400> 91  
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tatgtgttaa ttggctgttt atgttattgg taagacttcc agtcaacagt aggctattag 180  
aagttaagtt gtgggaaaat caaagggttat aggagatttt caactgcatg cagggccggt 240  
gccctcccca ctgtgttgtt caagggtcag ctgtactctc taagggtttt gctaactca 300  
aaacatggag tatttgaata cagaaaccag agcatttaca tactcagctc aaggcagagc 360  
tattaaaaaa actcctcttc tccatatgta ggaaaggaaa taaaaatgca tcctttgagt 420  
catttgtgat gt 432

<210> 92  
<211> 316  
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<223> a or g or c or t/u

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gcagggatct atctaagtgn gaggcacgaa agggatcaag aggacttct tttctaccac 180  
cacactactg cccccatta aggttctgt nggtttacc atctggaaat atgttccat 240  
cacacaattt gttacttcac tggaatttct tcaaaacat tggcaggang tgagggtcat 300  
ccttggaata gtgggc 316

<210> 93  
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<400> 93  
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aggaagtctt ctgtatcctt tcgtgcctcc acattagata gatccctgcc accagcacc 180  
atgtggccac cagcagagac agcaggagga gaggcagcca gcctccggc ttgcttttg 240  
ttgttatcca gaggggaaag gggacgcctg ttntggggc agagcacaac tgttccctc 300  
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401

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<223> a or g or c or t/u

<220>  
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<223> a or g or c or t/u

<220>  
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<223> a or g or c or t/u

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cagttcttca cctaacagca tattgctctt ataactggta gagctgttgc aaaggaagtt 120  
  
ggtttctggg ccaagttttg acctaaacca tgtccatctt ctattaccag cacttacaag 180  
  
cactgtgaaa actgatcatg acaataaagt aaaatttgct acattaaaca tattgcctca 240  
  
gccattacta agcgtccact tgtaaagctg gacacagttt ttactttatg cttcattttg 300  
  
attttttatc cgtaagacat aaattagaag gcatgagggt gccctttaag gataatctgc 360  
  
aaatatacac attttaaata gtcattccatc tggaaatcgn tccaccattc cagggaagg 420  
  
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tgncataata attaccacca ttaacctcnt ggggtt 516

<210> 95  
<211> 187  
<212> DNA  
<213> Homo sapiens

<400> 95  
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tctattacat gcaaaaaatc attgttttta agataacaaa agtagggaat aaacaagctg 120  
aaccacttt tactggacca aatgatctat tatatgtgta accacttgta tgattggga 180  
tttgcatt 187

<210> 96  
<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 96  
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tataaccatt ttgataatgc aacaataaag catcttcagc caaacatcta gtcttcata 120  
gaccatgcat tgcagtgtac ccagaactgt ttagct 156

<210> 97  
<211> 491  
<212> DNA  
<213> Homo sapiens

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<220>  
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<222> (491)..(491)

<223> a or g or c or t/u

<400> 97

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tattattagc ataaatgttt tttctggga atgcttattt cacacagcac aatactgaat 180

cttctctgga atgtggatcg attcagatg gatgactatt aaaatgtgta tatttcaga 240

ttatccttaa agggccacci catgccttct aatttatgtc ttacggataa aaaatcaaaa 300

tgaagcataa agtaaaaact gtgtccagct ttacaagtgg acgcttagta atggctgagg 360

caatatgttt aatgtagcca aattttactt attgtccat gatccagttt ttcacagtgc 420

ttgttaagtg ctggttaatta ggaaggtggg acatgggta ggtcaaaact tgggaccnga 480

aaccaacttg n

491

<210> 98

<211> 270

<212> DNA

<213> Homo sapiens

<400> 98

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aaactataac cattttgata atgcaacaat aaagcatctt cagccaaaca tctagtcttc 120

catagaccat gcattgcatt gtaccagaa ctgttttagct aatattctat gttaattaa 180

tgaatactaa ctctaagaac ccctcactga ttcactcaat agcatcttaa gtgaaaaacc 240

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270

<210> 99

<211> 478

<212> DNA

<213> Homo sapiens

<400> 99

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 gctgaaaaa gccaaagatg taagatggct gggtatatat gagaatgaat atttactat 180  
 attctgattc aattaccagt ctacgtggcc caggatgagc ttttgggtg gtcacatggc 240  
 caacatttgg ataacaaatg aggaataatg gtaccgctc actagtgcct gagaacagca 300  
 tgttctggaa aatgtctctg gagtttagaga tgtgttagct ttttcattac agatggagaa 360  
 atacaatgtt tacacaacag tccaggggtg ggggtcaaaag ttggaagggtg tcattagacg 420  
 cagccaaata aagtgaagac aaccaggtg actggcagcc ctgacttggtg cgtgggagc 478

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 <212> DNA  
 <213> Homo sapiens

<400> 100  
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 ctgaaaaaag ccaaagatgt aagatggctg ggtatatatg agaatgaata ttactata 180  
 ttctgattca attaccagtc tcagtggccc aggatgagct ttggtggtgg tcacatggcc 240  
 aacatttga taacaaatga gga 263

<210> 101  
 <211> 388  
 <212> DNA  
 <213> Homo sapiens

<400> 101  
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 tgccaaagtg ctgggattgg aggcatgagc cactgcaccc acccctgttt tttttaag 120  
 taaaccatta taataactca ttataaaaa gggtacttca agagggttt caactaaga 180



attattttca ttttgaacat gaaaagttaa atagtaacta agaaactgag aactctgaca 240  
 gtgacctcta ataggtaact ttaggcaaaa gtagacaagt ttgtgggtat tttgtgttc 300  
 atgttaaaag gcacctgtac aagaatcaag atatgaatct agtttgtaga gggaaggtct 360  
 tatgcaaata ccaaatcata caagtgg 388

<210> 102  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 102  
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 gtaaaccatt ataataactc atttataaaa aggttacttc aagagggctt tcaacttaag 180  
 aattatttc attttgaaca tgaagagtta aatagtaact aagaaactga gaactctgac 240  
 agtgacctct aataggtaac ttaggcaaa agtagacaag ttgtgggta tttgttgtt 300  
 catgttaaaa ggcacctgta caagaatcaa gatatgaatc tagttttag agggaaggtc 360  
 ttatgcaaat accaaatcat acaagtgggt acacatataa tagatcattt ggtccagtaa 420  
 aagtgggttc agcttgttta ttcctactt 450

<210> 103  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 103  
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 gcaaagtgtc gggattggag gcatgagcac tgcaccacc cctgtttttt ttttaagta 120  
 aaccattata ataactcatt tataaaaagg ttacttcaag ag 162

<210> 104  
<211> 392  
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<223> a or g or c or t/u

<220>  
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<223> a or g or c or t/u

<400> 104  
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aagataacaa aagtagggaa taaacaagct gaaccactt ttactggacc aaatgancta 120  
  
ttatatgtat aaccacttgt atgatttggg attgcataa gaccttcct ctacaaacta 180  
  
gattcatatc ttgattcttg tacaggtgcc ttttaatat tctgtgatga aatcgtcac 240  
  
agtcagagta catgtctgct gcatatggga aatagggact gtgttctga gggacaaggc 300  
  
actcaattca gccgtaaagg ctgacccggg ctacttttt tccangggaa tacaatttt 360  
  
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<210> 105  
<211> 428  
<212> DNA  
<213> Homo sapiens

<400> 105

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gatctgctga aaaaaagcca aagatgtaag atggctgggt atatatgaga atgaatattt 180

cactatattc tgattcaatt accagtctca gtggcccagg atgagctttt ggtgtggtca 240

catggccaac atttgataa caaatgagga ataatggtac cgcctcacta gtgcctgaga 300

acagcatgtt ctggaaaatg tctctggagt tagagatgtg ttagcttttt cattacagat 360

ggagaaatac aatgtttaca caacagtcca ggggtgggggt caaaagtgg aaggtgtcat 420

tagacgca 428

<210> 106

<211> 430

<212> DNA

<213> Homo sapiens

<400> 106

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aatattttta ttgaaaagtt catccgagtt tcatctaagt ttttcaaag tgatacaaat 180

ctccaaaaaa tttccaata tatgtattga aaaaatccag gtgtaagtgg ctctgcgcag 240

tccaaacctg tgttgttcaa ggggtcaactg tgtatgaatc caagcgaaag cttttcttaa 300

cacctcataa gaactatttt ttaaaaaaca ggaactagca tagagtaacc atcacaggta 360

aagtgttaatt tggatcagc catcttttgc ccatttcagt actggtagaa ggctcaatgg 420

taaaaataaa 430

<210> 107

<211> 368

<212> DNA

<213> Homo sapiens

<400> 107

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ctaccagtac tgaaatgggc aaaagatggc tgataacaaa ttacacttta cctgtgatgg 120

ttactctatg ctagttcctg tttttaaaa aatagttctt atgaggtgtt aagaaaagct 180

ttcgcttgga ttacatacaca gttgaccctt gaacaacaca ggtttggact gcgcagacca 240

cttacacctg gattttttca atacatatat tggaaaattt ttgggggatt tgtatcactt 300

tgaaaaaact tagatgaaac tcggatggac tttccatta aaatattgga aaaaatgaag 360

aaaaaggt 368

<210> 108

<211> 435

<212> DNA

<213> Homo sapiens

<400> 108

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ttactctatg ctagttcctg tttttaaaa aatagttctt atgaggggtt aaaaaaagct 180

ttcgcttgga ttacatacaca gttgaccctt gaacaacaca ggtttggact gcgcagagcc 240

acttacacct ggatttttc aatacatata ttgaaaaatt ttttgagat ttgtatcact 300

ttgaaaaaac ttagatgaaa ctcggatgaa ctttcaatt aaaatattga aaaaaatgaa 360

gaaaaaggta tgtcataaat gcagaaaatg tatacagata ctagtctact ttatcatttc 420

ctaccatacc aatag 435

<210> 109

<211> 880

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (788)..(788)

<223> a or g or c or t/u

<400> 109

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cagtatgtgg aagggttgtg tgtatgtggg cagtgcagg ggtcgctgcc tgtgtacact 180

gaactggggg gcagagaaag ccaacagtgc tgtcccagag aacctagaat ctgagtaaga 240

acaggcttta ttgtaaaac cactcgtgac tctttacaaa gcaggataca cagaaggga 300

aaaaatacac agtgcaaaat ggatgttctg agtgccacaa ggatctgctg aaaaaagcca 360

aagatgtaag atggctgggt atatatgaga atgaatattt cactatattc tgattcaatt 420

accagtctca gtggcccagg atgagctttt ggtgtgggtca catggccaac atttgataa 480

caaatgagga ataatggtac cgctcacta gtgcctgaga acagcatgtt ctggaaaatg 540

tctctggagt tagagatgtg ttagctttt cattacagat ggagaaatac aatgtttaca 600

caacagtcca ggggtggggg taaaagtgt gaaggtgtca ttagacgcag ccaaataaag 660

tgaagaccac ccaggtgact ggcagccctg acttgtgcgt gggcgaaacc ttacagattc 720

ctggggcact ctgtgcctga acttacctgg atggtctttg tgaggcgggt gggcacttat 780

cctccatnaa tggtcagtct aacaagaccg gcctgtaaaa atggcatcta ataggggcta 840

tggaatggaa aacagttggt accagaaat aactttaatt 880

<210> 110

<211> 437

<212> DNA

<213> Homo sapiens

<220>

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<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (192)..(192)

<223> a or g or c or t/u

<400> 110

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ggaaggacaa aagcagggaa cagataaggg atggaaatca gaagggaata tagaaagaac 180

tctggatatg cnagaaatgc cggtaacctga gcattttgta tcaatgggag taccctctgt 240

aactgctcag taggttacaa atgaagagtc caccagtatt agaaacaatt taaacttgcc 300

agtaccaact gggatgtgtg ccttcaattt gaaaattgta tgttttattt tttaaatttg 360

gttaacagca ttaattata gagtatttga tgcatttat ggttcccgag gtgtttccaa 420

cacaattttt gggatca 437

<210> 111

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (893)..(893)

<223> a or g or c or t/u

<400> 111

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ttgaaaagtt catccgagtt tcatcfaagt ttttcaaag tgatacaaat ctccaaaaaa 180

ttttccaata tatgtattga aaaaatccag gtgtaagtgg ctctgcgag tccaaacctg 240

tggtgttcaa gggtaactg tgtatgaatc caagcgaaag cttttcttaa cacctcataa 300

gaactatttt taaaaaaca ggaactagca tagagtaacc atcacaggta aagtgttaatt 360

tgttatcagc catcttttgc ccatttcagt actggtagaa ggctcaatgg taaaaataaa 420  
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 agtcatgctc gtatcagtct ctgtaggagc acttgaaggt attacataaa tgctatctaa 540  
 ctctgggaaa cgccaacatg tgattgcctc cagaggaatc ttctttaaaa aaaaattcaa 600  
 aatgttattt ccttactagg atgtctttaa agaattataa cccttaccgt gcctccacat 660  
 tagatagatc cctgccacca gcacccatgt ggccaccagc agagacagca ggaggagagg 720  
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 aaaatccaca cttatctctt aatttaaaaa ctaagacttg gtatacttta tagagggtta 840  
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<400> 112  
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 tgccacaagg atctgctgaa aaaagccaaa gatgtaagat ggctgggtat atatgagaat 180  
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<210> 113  
 <211> 812  
 <212> DNA  
 <213> Homo sapiens

<400> 113  
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 ttgtcttat aactggtaga gctgtttcaa aggaagttgg ttctgtgcc aagtttgac 180  
 ctaaaccatg tccatcttct attaccagca ctacaagca ctgtgaaaac tgatcatgac 240  
 aaataagtaa aatttgctac attaaacata ttgcctcagc cattactaag cgtccacttg 300  
 taaagctgga cacagttttt actttatgct tcattttgat ttttatccg taagacataa 360  
 attagaaggc atgaggtggc cctttaagga taatctgcaa atatacat ttaatatgc 420  
 atccatctga aatcgatcca cattccagag aagattcagt attgtgctgt gtgaaataag 480  
 cattccaga aaaaaaacat ttatgctaata aatacaacat aacctctgca ttaaagaaaa 540  
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 aggtgggtgg atcatgaggt caggagatca agaccatcct ggctaacagg gtgaaacccc 660  
 gtctctactg gggatataac aaagttagct ggggtgtggtg gtgggtgctt gtgggccag 720  
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 <213> Homo sapiens

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 <222> (8)..(8)  
 <223> a or g or c or t/u

<400> 114



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 tattctgggt acaactgctt acatacatag cacatataga tgacatttt acaggccgtc 180  
 ttgttagact gacatacatg gaggatagtg ccaccgcct cacaagaaca tcaggtaagc 240  
 tcaggcacag agtgcccagg aatctgtaag gcttcgcca cgcacaagtc agggctgcca 300  
 gtcacctggg ttgtcttcac ttatttggc tgcgtctaata gacaccttc aacttttgac 360  
 cccacccctg gactgttgtg taaacattgt atttctccat ctgtaatgaa aaagtaaca 420  
 catcttaac tccagagaca tttccagaa catgctgttc tcaggcacta gtgaggcgg 480  
 accattatc ctcatgtt atccaaatgt tggccatgtg accacaccaa aagctcatcc 540  
 tgggccactg agactggtaa ttgaatcaga atatagttaa atattcattc tcatatatac 600  
 ccagccatct tacatcttg gctttttca gcagatcctt gtggcactca gaacatccat 660  
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<400> 115  
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 aatattttaa ttgaaaagt catccgagtt tcatctaagt ttttcaaag tgatacaaat 180  
 ctccaaaaaa tttccaata tatgtattga aaaaatccag gtgtaagtgg ctctgcgcag 240  
 tccaaacctg tgttgttcaa gggccaactg tgtatgaatc caagcgaaag cttttcttaa 300  
 cacctcataa gaactatttt taaaaaaca ggaactagca tagagtaacc atcacaggta 360  
 aagtgaatt tgttatcagc catcttttgc ccatttcagt actggtagaa ggctcaatgg 420  
 taaaaataaa aacgggacag tcagaaaaa 449

<210> 116  
<211> 396  
<212> DNA  
<213> Homo sapiens

<400> 116  
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acagaaggga aaaaaataca cagtgcacaa tggatgttct gaggccaca aggatctgct 120  
gaaaaagcc aaagatgtaa gatggctggg tatatatgag aatgaatatt tcactatatt 180  
ctgattcaat taccagtctc agtggcccag gatgagcttt tgggtgggtc acatggccaa 240  
catttgata acaaatgagg aataatggta ccgcctcact agtgcctgag aacagcatgt 300  
tctggaaaat gtctctggag ttagagatgt gttagctttt tcattacaga tggagaaata 360  
caatgtttac acaacagtcc aggggtgggg tcaaag 396

<210> 117  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 117  
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ttaaaaaata gtcttatga ggtgttaaga aaagctttcg ctggattca tacacagttg 180  
acccttgaac aacacaggtt tggactgcgc agagccacc tcgtgccgaa tt 232

<210> 118  
<211> 185  
<212> DNA  
<213> Homo sapiens

<400> 118  
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gatggctgat aacaaattac actttacctg tgatggttac tctatgctag ttctgtttt 120

ttaaaaata gttcttatga ggtgtaaga aaagctttcg ctggattca tacacagttg 180

accct 185

<210> 119

<211> 726

<212> DNA

<213> Homo sapiens

<400> 119

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aagtataca aatctccaaa aaattttcca atatatgtat tgaaaaaatc caggtgtaag 180

tggctctgcg cagtcctaac ctgtgtgtt caaggggtcaa ctgtgtatga atccaagcga 240

aagcttttct taacacctca taagaactat ttttaaaaa acaggaacta gcatagagta 300

accatcacag gtaaagtgtat attgtgtatc agccatcttt gccatttca gtactggtag 360

aaggctcaat ggtaaaaaata aaaacgggac agtcagaaga tctggaagtc ctgaccctgc 420

ttcacctgg catgtgtaat ccagtcatgc tcgtatcagt ctctgtagga gcacttgaag 480

gtattacata aatgctatct aactctggga aacgcccaaca tgtgattgcc tccagaggaa 540

tcttctttaa aaaaaaatc aaaatgttat ttcttacta ggatgtcttt aaagaattat 600

aacccttacc gtgcctccac attagataga tcctgcaac agacccatgt ggcaccagca 660

gagacagcag gaggagaggc agcagctccc ggtgtttgt ctggaaaaac aaaggttatc 720

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<210> 120

<211> 185

<212> DNA

<213> Homo sapiens

<400> 120

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 ttaaaaaata gttcttatga ggtgtaaga aaagctttcg ctggattca tacacagttg 180  
 accct 185

<210> 121  
 <211> 291  
 <212> DNA  
 <213> Homo sapiens

<400> 121  
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 ataccagcc atcttacatc ttggccttt ttcagcagat ccttgggca ctcagaacat 180  
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 <212> DNA  
 <213> Homo sapiens

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 <223> a or g or c or t/u

<220>  
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 <222> (770)..(770)  
 <223> a or g or c or t/u

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 aaaaccattg cagaagtgag gtcacacctg aaaagtggca gaaaaagaaa atagcagaga 360  
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 gtgcagaact tctccatgtc aagcagcagg tgcagcagg aaaaagatca caagcctgcc 720  
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 atcccacat tacag 795

<210> 123  
 <211> 387  
 <212> DNA  
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<400> 123  
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 caaggatctg ctgaaaaaag ccaaagatgt aagatggctg ggtatatatg agaatgaata 180  
 tttcactata ttctgattca attaccagtc tcagtggccc aggatgagct ttgggtgtgg 240  
 tcacatggcc aacatttga taacaaatga ggaataatgg taccgcctca ctagtgcctg 300  
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 gatggagaaa tacaatgttt acacaac 387

<210> 124  
<211> 561  
<212> DNA  
<213> Homo sapiens

<400> 124  
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gtattagaaa caatttaaac ttgccagtac caactgggat gtgtgccttc aattgaaaa 480  
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<211> 476  
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<213> Homo sapiens

<400> 125  
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gaaaaaagcc aaagatgtaa gatggctggg tatatatgag aatgaatatt tcactatatt 180  
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caatgtttac acaacagtcc aggggtgggg tcaaaagttg gaaggtgtca ttagacgcag 420

ccaaataaag tgaagacaac ccaggtgact ggcagccctg acttgtgcgt gggcga 476

<210> 126  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 126  
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<211> 456  
<212> DNA  
<213> Homo sapiens

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<220>  
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<223> a or g or c or t/u

<220>  
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<220>  
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<222> (406)..(406)

<223> a or g or c or t/u

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<222> (431)..(431)

<223> a or g or c or t/u

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<222> (446)..(446)

<223> a or g or c or t/u

<400> 127

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attctgggta caactgctta catacatagc acatatagat gacatttta caggccgtct 180

tgtagactg acatacatgg aggatagtgc caccgcctc acaagaacat caggtaagct 240

caggcacaga gtcnagggn atctgtaagg gcttcgcca cgcacaagtc agggctgcca 300

gtcaccnggg ttgtctcac ttatttggg ctgcgtctaa tgacacctn ccaactttt 360

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<210> 128

<211> 1816

<212> DNA

<213> Homo sapiens

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catgatctaa tccccggaga cttgaggac ctccgagtag aacctgttac aactagtgtt 180

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<400> 129

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665

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<400> 134

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664

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<213> Homo sapiens

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 acgtatttgt gcagatgaat ctggcttctt agatcactgc agaaaagggt aaaggcaagg 540  
 gggaagaggt ctgagagtt ctactggga ctgccctgc tctgccaca ggtaccatcg 600  
 cacacactgt tgacgtcatt ggaaagaagg aagacgactt tgtctgctgc cttctttga 660  
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tat 783

<210> 141

<211> 399

<212> DNA

<213> Homo sapiens

<400> 141

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ccggagagatt gagggacctc cgagtagaac ctgttacaac tagtgttgca acaggggact 180

attcaatttt gatgaatgta agctgggtac tccgggcaga tgccacacca gaagaaacaa 240

acgcgagctt cagtgggtgat tccagtgact ggggatagtg aaggtgctac ggtgcagctg 300

actccatatt ttctacttg tggcagcgac tgcattccgac ataaaggaac agttgtgctc 360

tgcccacaaa caggcgtccc tttccctctg gataacaac 399

<210> 142

<211> 518

<212> DNA

<213> Homo sapiens

<220>

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<222> (503)..(503)

<223> a or g or c or t/u

<400> 142

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gtattattag cataaatgtt ttttctggg aatgcttatt tcacacagca caatactgaa 180

tcttctctgg aatgtggatc gatttcagat ggatgactat taaaatgtgt atatttcag 240

attatcetta aagggccacc tcatgccttc taatttatgt cttacggata aaaaatcaaa 300

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gcaatatgtt taatgtagca aattttactt atttgcacg atcagtttc acagtgcctg 420  
taagtgcctg taatagaaga tggacatggt ttaggtcaaa acttggacca gaaaccaact 480  
tcctttgaaa cagctctacc agntataaga gcaatatg 518

<210> 143  
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<212> DNA  
<213> Homo sapiens

<400> 143  
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tcacttctgc aatggttttg aagaaattca gtgaagtaac aaattgtgtg atggaaacat 180  
atttcagatg ggtaaaccac aagaacctta atgggggggca gtagtgtggt ggtagaaaag 240  
gaagtcttct tgatccttc tgtgagagga gaaaagcatt tgttatctgt gaacagcaaa 300  
cagcaggctt tcactctgta aaccatccct gacaaatgat cccttgctag agaatgtcag 360  
ctgagcacca agggccttgt tagtgacagc aaggaaaaac atcctgatgt tccttttgaa 420  
cacatcacct gaaacacact gatgcttaaa ccttaacttt ttttttttg gagacacagt 480  
ctcactctgt 490

<210> 144  
<211> 421  
<212> DNA  
<213> Homo sapiens

<400> 144  
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tgccacaagg atctgctgaa aaaagccaaa gatgtaagat ggctgggtat atatgagaat 180

gaatatttca ctatattctg attcaattac cagtctcagt ggcccaggat gagcttttgg 240  
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 gcctgagaac agcatgttct ggaaaatgtc tctggagtta gagatgtgtt agctttttca 360  
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 g 421

<210> 145  
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 <212> DNA  
 <213> Homo sapiens

<400> 145  
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 gttccaatc gttagttaat gctacattag ttagcaatat ttgaaaattt tattggata 180  
 aaatgttta attactaagg ctgtttgtag gctgcatagt aagcttcagg atcatcacac 240  
 gttttttccc tgtaattggt gggataggaa gcctttaagg tctcttgctt ctcattgggtg 300  
 gggtacaagg agcagcagcc atcgtggcag gcttgtgac ttttctgc tgacacctgc 360  
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 gggcagacac tgagagcatt gtaatcgtct tttgtatcaa tctctctaaa gtagaccacc 480  
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 gggaaga 547

<210> 146  
 <211> 644  
 <212> DNA  
 <213> Homo sapiens

<400> 146  
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 tacactttac ctgtgatgggt tactctatgc tagttcctgt ttttaaaaa atagttctta 180  
 tgagggtgta agaaaagctt tcgcttggat tcatacacag ttgacccttg aacaacacag 240  
 gtttggactg cgcagagcca ctacacctg gatttttca atacatatat tggaaaattt 300  
 tttggagatt tgtatcactt tgaaaaaact tagatgaaac tcggatgaac tttcaatta 360  
 aaatattgaa aaaaatgaag aaaaaggat gtcataaatg cagaaaatgt atacagatac 420  
 tagtctactt tatcatttcc taccatacca atagttaact attttaacta ttaaaagtta 480  
 aaaatttacc aaaacttaaa cacacacata ccaactgtac atggcaccat tcacagtga 540  
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<210> 147  
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 <212> DNA  
 <213> Homo sapiens

<400> 147  
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 agaactctca agacctcttc ccccttgcct ttaacctttt ctgcagtgat ctaagaagcc 180  
 agattcatct gcacaaatac gtgggtgtct actttagaga gattgataca aaagacgatt 240  
 acaatgctct cagtgtctgc cccaagtacc acctcatgaa ggatgccact gctttctgtg 300  
 cataacttct ccatgtcaag cagcaggtgt cagcaggaaa aagatcacaa gcctgccacg 360  
 atggctgctg ctctttag tagcccacatg agaagcaaga gacctaaag gcttctatc 420  
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<210> 148  
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<212> DNA  
<213> Homo sapiens

<400> 148  
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cgtggcaggc ttgtgatctt ttcctgctg acacctgctg ctgacatgg agaagttatg 180  
cacagaaagc agtggcatcc ttcagaggt ggtacttggg gcagacactg agagcattgt 240  
aatcgtcttt tgatcaatc tctctaaagt agaccaccac gtatttgtgc agatgaatct 300  
ggcttcttag atcactgcag aaaagggtta aggcaagggg gaagaggtct tgagagttct 360  
cactgggact gccctcgtc ttgccacagg taccatcgca cacactgttg acgtcattgg 420  
aaagaaggaa gacgactttg tctgctgcct tcttttgagt ggcaagccac ggtcaacca 480  
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<210> 149  
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<213> Homo sapiens

<400> 149  
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gaggtagggg cgaagccaga aagaaggga gtttggctg aagtaggagt ctgcgactg 240  
catccgacat aaaggaacag ttgtgctctg ccacaaaca ggcgtccctt tcctctgga 300  
taacaacaaa agcaagccgg gaggtgggt gcctctctc ctgctgtctc tctgtgtggc 360  
cacatgggtg ctggtggcag ggtatctat aatgtggagg cacgaaagga tcaagaagac 420  
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aatatgtttc catcacacaa ttgttactt cactgaattt ctcaaaacc attgcagaag 540

tgaggtcatc ctgaaagtg gcagagtagc agagatgggt ccagtgcagt ggcttgccac 600

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<210> 150

<211> 636

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<222> (323)..(323)

<223> a or g or c or t/u

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<222> (463)..(463)

<223> a or g or c or t/u

<220>

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<222> (467)..(467)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (502)..(502)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (507)..(507)

<223> a or g or c or t/u

<220>

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<222> (595)..(595)

<223> a or g or c or t/u

<220>

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<222> (600)..(600)

<223> a or g or c or t/u

<400> 150

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agtaacgtgt acaaagtta ggttcagacc cggggagtct tgggcatgtg ggtctcgggt 180

cactggtttt gacttaggg cntgtttaca gatgtgtgac caaggggaaa atgtgcatga 240

caacactaga gctgactcca tattttccta ctgtggcag cgactgcac cgacataaag 300

gaacagttgt gctctgccca canacaggcg tcccttccc tctggataac aacataagca 360

agccgggagg ctggctgcct ctctcctgc tgtctctgct ggtggcacat gggtgctggt 420

ggagggatct atctaattgt gaggcacgga tcaagaagac ttcttntct accaccacac 480

tactggcccc aataagggtc tngtggntac cccatctgaa tatgttcata cacaatttgt 540

actcactgaa ttctcaaac attgagagtg aggcacctg aaagtgcgaa aaganatgcn 600

aatggtcagt gcatgctgca ctagcagcat ggactt 636

<210> 151

<211> 676

<212> DNA

<213> Homo sapiens

<400> 151

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gtggatgcta caacatgac taatccccgg agacttgagg gacctccgag tagaacctgt 180  
 tacaactagt gttgcaacag gggactattc aattttgatg aatgtaagct gggactaccg 240  
 ggcatgccc agcatccgct tgttgaaggc caccaagatt tgtgtgacgg gcaaaagcaa 300  
 ctccagtc tacagctgtg tgagggtgcaa ttacacagag gccttcaga ctgagaccag 360  
 accctctggt ggtaaatgga cattttccta catcggttc cctgtagagc tgaacacagt 420  
 ctatttcatt ggggccata atattcctaa tgcaaatatg aatgaagatg gcccttccat 480  
 gtctgtgaat ttacctcac caggctgcct agaccacata atgaaatata aaaaaagtg 540  
 tgtcaaggcc ggaagcctgt gggatccgaa catcactgct tgtaagaaga atgaggagac 600  
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 catagcacat atagatgaca ttttacagg ccgtcttgtt agactgacat acatggagga 240  
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 attgtattc tccatctgta atgaaaagc taacacatct ctaactccag agacatttc 480  
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aatgttggcc atgtgaccac accaaaagct catcctgggc cactgagact ggtaattgaa 600

tcagaatata gtgaaatatt cattctcata tataaccagc catcttacat ctttggcttt 660

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ct 722

<210> 153

<211> 335

<212> DNA

<213> Homo sapiens

<400> 153

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attacaatgc tctcagtgtc tgccccaagt accacctcat ggaggatgcc actgctttct 180

gtgcagaact tctccatgtc aagtagcagg tgcagcagg aaaaagatca caagcctgcc 240

acgatggctg ctgctccttg tagcccaccc atgagaagca agagacctta aaggcttct 300

atcccaccaa ttacaggga aaaacgtgtg atgat 335

<210> 154

<211> 680

<212> DNA

<213> Homo sapiens

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<222> (591)..(591)

<223> a or g or c or t/u

<400> 154

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agtggcttgc cactcaaaag aaggcagcag acaaagtcgt cttccttctt tccaatgacg 180

tcaacagtgt gtgcgatgg acctgtggca agagcgaggg cagtcccagt gagaactctc 240

aagacctctt ccccttgcc ttaaccttt tctgcagtga tctaagaagc cagattcatc 300  
tgcacaaata cgtgggtggtc tactttagag agattgatac aaaagacgat tacaatgctc 360  
tcagtgtctg ccccaagtac cacctcatga aggatgccac tgctttctgt gcagaacttc 420  
tccatgtcaa gtagcaggtg tcagcaggaa aaagatcaca agcctgccac gatggctgct 480  
gtcctctgta gcccacccat gagaagcaag agaccttaaa ggcttcctat cccaccaatt 540  
acagggaaaa aaacgtgtga tgatccctga agcttactat gcagcctaca nacagcctta 600  
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gattgaaaac tctttacact 680

<210> 155  
<211> 491  
<212> DNA  
<213> Homo sapiens

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gttctcactg ggactgccct cgctcttgcc acaggtacca tcgcacacac tgttgacgtc 420  
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tggaacctatc t 491

<210> 156  
<211> 533  
<212> DNA

<213> Homo sapiens

<400> 156

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acggtaaggg ttataattct ttaaagtcac cctagtaagg aaataacatt tggaattttt 180  
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tacctgtgat ggttactcta tgctagtcc tgtttttaa aaaatagttc ttatgaggtg 480  
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<210> 157

<211> 218

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<222> (199)..(199)

<223> a or g or c or t/u

<400> 157

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<212> DNA  
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<223> a or g or c or t/u

<220>  
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<223> a or g or c or t/u

<400> 158  
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<213> Homo sapiens

<220>

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<223> a or g or c or t/u

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<222> (805)..(805)

<223> a or g or c or t/u

<400> 159

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ctctctctgc tgtctctgct ggtggccaca tgggtgctgg tggcagggat ctatctaag 180

tggaggcacg aaaggatcaa gaagacttcc tttctacca ccacactact gccccccatt 240

aaggttcttg tggtttacc atctgaaata tgtttccatc acacaattg ttacttcact 300

gaatttcttc aaaaccattg cagaagttag gtcaccttg aaaagtggca gaaaaagaaa 360

atagcagaga tgggtccagt gcagtggctt gccactcaaa agaaggcagc agacaaagtc 420

gtcttccttc ttccaatga cgtcaacagt gtgtgcgatg gtacctgtgg caagagcgag 480

ggcagtccca gtgagaactc tcaagacctc tcccccttg cctttaacct ttctgcagt 540

gatctaagaa gccagattca tctgcacaaa tacgtggtgg tctactttag agagattgat 600

acaaaagacg attacaatgc tctcagtgc tgccccaagt accacctcat gaaggatgcc 660

actgctttct gtgcagaact tctccatgac aagcagcagg tctcagcagg aaaaagatca 720

caagcctgcc acgatggctg ctgctccttg tagccaccc atgagaagca agagacctta 780

aggcttctat cccaccanta caggnaaaaa cgtgtgatga tctgaagct tactatgcag 840

cctacaacag gcttagtatt aaaacattta taccataaa tttcaaatt gct 893

<210> 160

<211> 959

<212> DNA

<213> Homo sapiens

<400> 160

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gccgtacccc gagagccgac cgttcaatgt ggctctgaaa ctgggccatc tccaragtgg 180  
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cagtcctaca gcwgtgtgag gtagcaatta cacagagagc acatatccag actctagacc 420  
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catgtctgtg aatttcacct caccaggctg cctagaccac ataataaat awaaaaaaaa 600  
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<223> a or g or c or t/u

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tagcatctta agtgaaaaac cttctattac atgcaaaaaa tcattgtttt taagataaca 240

aaagtaggga ataaacaagc tgaaccact tttactggac caaatgatct attatatgtg 300

taaccacttg tatgatttgg tatttgcata agacctccc tctacaaact agattcatat 360

cttgattctt gtacaggtgc ctttaacat gaacaacaaa ataccacaa actgtctac 420

tttgcctaa agttacctat tagaggtcac tgtsagagtk ctcagtttct tagttactat 480

ttaastttts atgttcaaaa tgaataaat tctkaagtkg aaagsgetct tgaagtaacc 540

ttttataaa tgagttatta taatggttta cttaaataaa avagaggggk tttgcggtg 600

gctcatgcct ccaatccag cactttggca aggccaaggc aaaavgatcg ctcaagacca 660

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 aggcagccag cctcccggtt tgcttttgtt gttatccaga gggaaaggga cgctgtttg 180  
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ggaagggcca tcttcattca tatttgcatt aggaatatta tgggccccaa tgaaatagac 600  
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<212> DNA  
<213> Homo sapiens

<400> 163  
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acttttttt atatttcatt atgtgtcta ggcagcctgg tgagtgaaa ttcacagaca 540  
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 <212> DNA  
 <213> Homo sapiens

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 aaggtgctac ggtgcaactg actccatatt ttctacttg tggcagcgac tgcacccgac 360  
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<210> 165  
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 <212> DNA  
 <213> Homo sapiens

<400> 165  
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 atcaactgctt gtaagaagaa tgaggagaca gtagaagtga acttcacaac cactcccctg 180  
 ggaaacagat acatggctct tatccaacac agcactatca tcgggttttc tcaggtgttt 240  
 gagccacacc agaagaaaca aacgcgagct tcagtgggtga ttccagtgc tggggatagt 300

gaaggtgcta cgggtgcagct gactccatat ttctctactt gtggcagcga ctgcatccga 360

cataaaggaa cagttgtgct ctgcccacaa acaggcgtcc cttccctct ggataacaac 420

<210> 166

<211> 676

<212> DNA

<213> Homo sapiens

<400> 166

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atcactgctt gtaagaagaa tgaggagaca gtagaagtga acttcacaac cactcccctg 180

ggaaacagat acatggctct tatccaacac agcactatca tcgggttttc tcaggtgttt 240

gagccacacc agaagaaaca aacgcgagct tcagtgggtga ttccagtgcac tggggatagt 300

gaaggtgcta cgggtgcagct gactccatat ttctctactt gtggcagcga ctgcatccga 360

cataaaggaa cagttgtgct ctgcccacaa acaggcgtcc cttccctct ggataacaac 420

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ctcttgaaag ggcgtg 676

<210> 167

<211> 517

<212> DNA

<213> Homo sapiens

<400> 167

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 aagaacttcg ggctgtgata aagaaaattt ggaagaaaac cagcatgaaa ttacttgacc 300  
 aagttgtccc tccagctggt gatgatgagg taacctggg gaagttctat gccactttcc 360  
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 aacgagaaga agaagatgat gtgttcaaaa gaaatggtgc cctgcttga aacctgtca 600  
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 gcattgtcca aaggccttca attccacctg caagtgatac tgagaaaccg ctgtttcctc 720  
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gcgggccagc attggaacc 860

<210> 169

<211> 495

<212> DNA

<213> Homo sapiens

<400> 169

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caggaaacag caggccccgc cctctcacag aggatgggtg aggaggccag acctgccctg 180

ccccattgtc cagatgggca ctgctgtgga gtctgtctct cccatgtacc agggcaccag 240

gcccacccaa ctgaaggcat ggcggcgggg tgcaggggaa agttaaggt gatgacgac 300

atcacacctg tgcgttacc tcagccatcg gtctagcata tcagtcactg ggccaacat 360

atccattttt aaacctttc ccacaaatac actgcgtcct ggttcctgtt tagctgttct 420

gaaatacggg gtgtaagtaa gtcagaacct agctaccagt gattattgcg agggcaatgg 480

gacctcataa ataag 495

<210> 170

<211> 557

<212> DNA

<213> Homo sapiens

<400> 170

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gtatattaca agtcatgtac agtaaacta taattttaaa caaactagt tatctaagtt 180

tacctggttg cgagtgcatt attattccag ttacagtg cccttagcgt gacagtcaga 240

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 taaaaatgga tatgttgggc ccagtactg atatgctaga ccgatggctg aggtaacgac 480  
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 <212> DNA  
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<400> 171  
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 gacgatcttg gtggaactgg aaatcatgtc tcccctgggg atctctgtgt ttcggtgtgt 240  
 gcgcctctta agaattctca aagtaccag gcactggact tccctgagca acttagtggc 300  
 atccttatta aactccatga agtccatgc ttcgctgttg cttctgcttt ttctcttcat 360  
 tatcatcttt tccttgcttg ggatgcagct gtttggcggc aagttaatt ttgatg 416

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 <212> DNA  
 <213> Homo sapiens

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 aaaatttggtg tcagcaacaa aacacgaaat cgctgatgcc tgtgacctca ccatcgacga 180  
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 gcgacgaaga gccagaccct ggggagggat tgagggagga cctgggcgga tgaattgatt 360  
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 <223> a or g or c or t/u

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tcgctgaata aatgagaatt ggctctattt ctctacttc tggatagccc gngtaaaaat 180

actaat 186

<210> 174  
 <211> 433  
 <212> DNA  
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<223> a or g or c or t/u

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<222> (296)..(296)

<223> a or g or c or t/u

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<222> (303)..(303)

<223> a or g or c or t/u

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<222> (345)..(345)

<223> a or g or c or t/u

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<222> (366)..(366)

<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

<400> 174

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 cgctgaataa atgagaattg gctctatttc ttctacttct ggatagcccg agtaaaaata 180  
 ctaataattt ctagatttta gtggggaact acaattatta ggacccatgg atattgctgc 240  
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 agnatattac aagtcagtga cagtaaatct ataattttgg acaanctagt gtatctaagt 360  
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actataaacc tatcatcttt ccacaagata taccagatga ctattgcagt cttctcttgg 240  
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gaattggctc tatttcttct acttctggat agcccagta aaaatactaa taatttctag 180  
attttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caaatacaat 240  
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<211> 420  
<212> DNA  
<213> Homo sapiens

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tagttctct tcatgaagcc tggtagggtt ccaggaaaca gcttgatttg ggaagcctca 180  
gcagaaaaga aagcatctca gaggacacat aaaatgtctg gcaaccctc ttggcgcccc 240  
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aagaggtgta gcttaccgc tcaatacacc aagtacaaga ttagtacga aaaatgaccc 360  
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<211> 465  
<212> DNA  
<213> Homo sapiens

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<211> 330  
<212> DNA  
<213> Homo sapiens

<400> 180  
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 tggcctgatg tgatgccaca agaccaaca gagagagaca cagagtcag gataatgttg 240  
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 gcaccgaagg aaccaggagg ataagaatat 330

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 <211> 502  
 <212> DNA  
 <213> Homo sapiens

<400> 181  
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 ctttttatt aaaatgcaa atgttctca gaataaaact gtgtaataat tttatactt 180  
 gggagtgtc cttgcacaga gctgtcattt gccagtgaga gcctccgacg gggcaggtac 240  
 tgtgccaggg cagctctgaa attatggata ttcttctt cctggttctt tcggtgcaa 300  
 tggtaaccta ataccagccg cagggagcgc catttctt aaagggtac accactgtca 360  
 acattatctt ggactctgtg tctctctctg ttgggtcttg tggcatcaca tcaggccaaa 420  
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 ttacaaactg gcattcttac ag 502

<210> 182  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 182  
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gacataaatc ctttttatt aaaatgcaaa atgttcttca gaataaaaact gtgtaataat 180  
 tttataactt gggagtgtc cttgcacaga gctgtcattt gccagtgaga gcctccgacg 240  
 gggcaggtac tgtgccaggg cagctctgaa attatggata ttcttacct cctggttcct 300  
 tcggtgccaa tggtaaccta ataccagccg cagggagcgc catttctct aaagggctac 360  
 accactgtca acattatcct ggactctgtg tctctctctg ttgggtcttg 410

<210> 183  
 <211> 333  
 <212> DNA  
 <213> Homo sapiens

<400> 183  
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 actctgatcc aggcaaaaac acttcaaggt ttgtaaatga ctctttcctg acataaatcc 120  
 tttttatta aaatgcaaaa tgttcttcag aataaaaactg tgtaataatt tttatacttg 180  
 ggagtgtccc ttgcacagag ctgtcatttg ccagtgaag cctccgacgg gcaggtactg 240  
 tgccagggca gctctgaaat atggatattc ttacctcctg gttctttcgg tgcaaatggt 300  
 aacctaatac cagccgcagg gagcgccatt tct 333

<210> 184  
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 <212> DNA  
 <213> Homo sapiens

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 <223> a or g or c or t/u

<400> 184  
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 actctgatcc aggcaaaaac acttcaaggt ttgtaaatga ctctttcctg acataaatcc 120

tttttatta aaatgcaaaa tgttcttcag aataaaaactg tgtaataatt ttataacttg 180  
 ggagtgtccc ttgcacagag ctgtcatttg ccagtgcagag cctccgacgg ngcaggtact 240  
 gtgccagggc agctctgaat tatggatatt cttatcctcc tg 282

<210> 185  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 185  
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 atactaggaa atgggtgcagc ctgtaagaat gccagtttgt aagtactgac ttggaaaag 120  
 atcatgcct ctatcagaca cttagggctc tggctcggca atttggcct gatgtgatgc 180  
 cacaagaccc aacagagaga gacacagagt ccaggataat gttgacagt gtgtagccct 240  
 ttaggagaaa tggcgctccc tgcggctggt attaggttac cattggcacc gaaggaacca 300  
 ggaggataag aatatccata atttcagagc tgcctcggca cagtacctgc cccgtcggag 360  
 gctctcactg gcaaatgaca gctctgtgca aggagcactc 400

<210> 186  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 186  
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 agtgtcaagt tctttcaaac ttaaaatttt aacccagag gattttcgct gaataaatga 120  
 gaattggctc tattttctct acttctggat agcccagta aaaatactaa taatttctag 180  
 attttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caaatacaat 240  
 acagtaatta caaaatatag accatctctt tacaataca aattatagga tattacaagg 300  
 catgtacagt aaatctataa tttaaacaa actagtgtat ctaagtttac ctggttgcca 360

gtgcattatt attccagttt acagttgccc ttacgtgac agtcagaaac cgaccatcgg 420

agtgatattc tcttatgtaa actggcgtca catcacagaa aaccttattt atgaggtccc 480

at 482

<210> 187

<211> 459

<212> DNA

<213> Homo sapiens

<400> 187

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ctgagcagag atggttctta gtgaggttct cgctgccagt tgacggtgaa atcatagctg 180

ccattacat tttgtgagat tatgaaaaac ataagactaa agaaactaaa tgtgttattc 240

ctgtggacac aaaaatgtgt gttttcaga tggggagggg accaaaaagg aaaaacattt 300

catcttaaaa ctttctaag acaaaggaaa acaaaaaacc atgctcctac aactcaaat 360

ttttctacc aaagaaaaat ttaatatcg atgagagggt gaaccaggct taaagcagac 420

atactaggga atgggtgcag cctgtaagaa tgccagttt 459

<210> 188

<211> 487

<212> DNA

<213> Homo sapiens

<400> 188

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tttttatta aaatgcaaaa tgttcttcag aataaaactg tgtaataatt ttatacttg 180

ggagtgtccc ttgcacagag ctgtcatttg ccagtgagag cctccgacgg ggcaggtact 240

gtgccagggc agctctgaaa ttatggatat tcttatcctc ctggttctt cggtgccaat 300

ggtaacctaa taccagccgc aggagcgcca ttctcctaa agggctacac cactgtcaac 360  
attatcctgg gactctgtgt ctctctctgt tgggtcttgt ggcatcacat caggccaaaa 420  
ttggccagac caggacccca agtgggtctga tagaaggcga tgatctttc caaagtcagt 480  
acttaca 487

<210> 189  
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<212> DNA  
<213> Homo sapiens

<400> 189  
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cctaataatt gtagttcccc actaaaatct agaaattatt agtatcttta ctggggctat 180  
ccagaagtag aagaaataga gccaatctc attatttcag cgaaaatcct ctgggggtaa 240  
aattttaagt ttgaaagaac ttgacactac agaaattttt ctaaaatatt ttgagtcact 300  
ataaacctat catctttcca caagatatac cagatgacta ttgcagctct ttctttggg 360  
caagagtcc atgattttga tactgtacct ttggatccac catgggttgc aactgtcttt 420  
ggttttgttt gtttgacttg aacca 445

<210> 190  
<211> 313  
<212> DNA  
<213> Homo sapiens

<400> 190  
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gcagttcaaa tacaatacag taattacaaa atatagacca tctctttaca aatacaaatt 180  
atagtatatt acaagtcatg tacagtaaat ctataatttt aaacaaacta gtgtatctaa 240

gtttacctgg ttgcgagtgcat attattattc cagtttacag ttgcccttag cgtgacagtc 300

agaaaccgac cat 313

<210> 191

<211> 413

<212> DNA

<213> Homo sapiens

<400> 191

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gagaattggc tctatttctt ctacttctgg atagcccag taaaaatact aataatttct 180

agatttttagt ggggaactac aattattagg acccatggat attgctgcag ttcaaataca 240

atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattacaa 300

gtcatgtaca gtaaactctat aattttaaac aaactagtgt atctaagttt acctggttgc 360

gagtgcatta ttattccagt ttacagttgc ccttagcgtg acagtcagaa acc 413

<210> 192

<211> 476

<212> DNA

<213> Homo sapiens

<400> 192

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gagaattggc tctatttctt ctacttctgg atagcccag taaaaatact aataatttct 180

agatttttagt ggggaactac aattattagg acccatggat attgctgcag ttcaaataca 240

atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattacaa 300

gtcatgtaca gtaaactctat aattttaaac aaactagtgt atctaagttt acctggttgc 360

gagtgcatta ttattccagt ttacagttgc ccttagcgtg acagtcagaa accgaccatc 420

ggagtgatat tctcttatgt aaactggcgt cacatcacag aaaaccttat ttattt 476

<210> 193

<211> 406

<212> DNA

<213> Homo sapiens

<400> 193

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tatcatcttt ccacaagata taccagatga ctattgcag tctttcttt gggcaagagt 180

tccatgattt tgatactgta cctttggatc caccatgggt tgcaactgtc ttgggtttg 240

ttgtttgac ttgaaccacc ctctggtaag taagtgaatt acagagcagg tccagctggc 300

tgctctgccc ctgggtatc catagttacg gtttctctg tggcccacc agggtgttt 360

ttgcatcgct ggtgcagaaa tgcacaggtg gatgagatat agctgc 406

<210> 194

<211> 473

<212> DNA

<213> Homo sapiens

<400> 194

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gacattctta ctctgatcca ggcaaaaaca ctcaagggt tgtaaatgac tcttctga 120

cataaatcct ttttattaa aatgcaaaat gttcttcaga ataaaactgt gtaataatt 180

ttatacttg gagtgctct tgcacagagc tgcatttgc cagtgagagc ctccgacagg 240

gcaggtactg tgccagggca gctctgaaat tatggatatt ctatcctcc tggctcttc 300

ggtgccaatg gtaacctaat accagccgca gggagcgcca ttctcctaa agggctacac 360

cactgtcaac attatctgg actctgtgtc tctctctgtt gactctgtg gcatcacatc 420

aggccaaaat tgccagacca ggaccctaag tgtctgatag aggcgatgat ctt 473

<210> 195  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 195  
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aagaactga cactacagaa attttctaa aatattttga gtcactataa acctatcatc 120  
ttccacaag atataccaga tgactattg cagtctttc ttgggcaag agttccatga 180  
tttgatact gtacctttgg atccaccatg ggttgcaact gtctttggtt ttgtttggtt 240  
gacttgaacc accctctggt aagtaagtga attacagagc aggtccagct ggctgctctg 300  
ccccttggtt atccatagtt acggtttct ctgtggcca cccagggtgt ttttgcac 360  
gctggtgcag aaatgcacag gtggatgaga tatagctgct cttgtcctct ggggactggt 420  
ggtgctgctt aagaaataag ggggtgctggg gacagaggag caa 463

<210> 196  
<211> 140  
<212> DNA  
<213> Homo sapiens

<400> 196  
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cctgacataa atcctttttg 140

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<212> DNA  
<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

<400> 197

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ctctatcaga cacttaggggt cctgggtctgg caattttggc ctgatgtgat gccacaagac 180

ccaacagaga gagacacaga gtccaggnta atattgacag naggtggang cccccct 237

<210> 198

<211> 292

<212> DNA

<213> Homo sapiens

<400> 198

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tcttcttaag acattcttac tctgatccag gcaaaaacac ttcaaggttt ggaaatgact 180

ctttctgac ataaatcctt ttttattaa atgcaaaagg ttcttcagaa taaaactgtg 240

taataatttt tatacttggg agtgcicctt gcacagagct gtcatttggc ag 292

<210> 199

<211> 434

<212> DNA

<213> Homo sapiens

<400> 199

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 atcatgcct ctatcagaca cttaggtgcc tggctggca atttggcct gatgtgatgc 180  
 cacaagaccc aacagagaga gacacagagt ccaggataat gttgacagt gtgtagccct 240  
 ttaggagaaa tggcgctccc tgcggctggt attaggttac cattggcacc gaagagacca 300  
 ggaggataag aatatccata atttcagagc tgcctggca cagtacctgc cccgtcggag 360  
 gctctcactg gcaaatgaca gctctgtgca aggagcactc ccaagtataa aaattattac 420  
 acagttttat tctg 434

<210> 200  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

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 tttttattaa aatgcaaaat gttcttcaga ataaaactgt gtaataattt ttatacttgg 180  
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 tgccagggca gctctgaaat tatggatatt ctatcctcc tggctcttc ggtgccaatg 300  
 gtaacctaat accagccgca gggagcgcca ttctcctaa agggctacac cactgtcaac 360  
 attatcctgg actctgtgtc tctctctgtt gggctctgtg gcatcacatc aggccaaaat 420  
 tgccagacca ggaccctaag tgtctgatag a 451

<210> 201  
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 <212> DNA  
 <213> Homo sapiens

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cttactctga tccaggcaaa aacacttcaa ggtttgtaaa tgactcttc ctgacataaa 120

tcctttttta ttaaaatgca aaatgttctt cagaataaaa ctgtgtaata atttttatac 180

ttgggagtgc tccttgacac gagctgtcat ttgccagtga gagcctccga c 231

<210> 202

<211> 483

<212> DNA

<213> Homo sapiens

<400> 202

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ccttttttat taaaatgcaa aatgttcttc agaataaaac tgtgtaataa tttttatact 180

ttgggagtgc ccttgacac agctgtcatt ttgccagtga agcctccgaa ggggcaggta 240

ctgtgccagg gcagctctga aattatggat attcttatcc tcttggttcc ttcggtgcca 300

atggtaacct aataccagcc gcaggagcgc cattctcct aaagggtac accactgtca 360

acattatcct ggactctgtg tctctctctg ttgggtcttg ttgcatcaca tcaggccaaa 420

attgccagac caggacccta agtgtctgat agaggcgatg atcttttcca aagtcagtac 480

tta 483

<210> 203

<211> 507

<212> DNA

<213> Homo sapiens

<400> 203

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cacactgaga ggacatcaga gtccaaacac atgcagagaa gctgtcaggg agcagctagg 180

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 gtctgtccag ccttccatgg tgatgcactg aaacacagta agcatggcaa aggcaaagtt 420  
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 taatttttat acttggggagt gctccttgca cagagctgtc atttgccagt gagagcctcc 300  
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 gactttggaa aagatcatcg cctctatcag acacttaggg tcctggctcg gcaattttgg 180

cctgatgtga tgccacaaga cccaacagag agagacacag agtccaggat aatgttgaca 240

gtggtgtagc ccttaggag aaatggcgct ccttgcggct ggtattaggt taccattggc 300

accga 305

<210> 206

<211> 376

<212> DNA

<213> Homo sapiens

<400> 206

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ctttttatt aaaatgcaa atgttcttca gaataaaact gtgtaataat tttatactt 180

gggagtgtc cttgcacaga gctgtcattt gccagtgaga gcctccgacg gggcaggtag 240

tgtgccaggg cagctctgaa attatggata ttcttactct cctggttctt tcggtgcaa 300

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acattatcct ggactc 376

<210> 207

<211> 544

<212> DNA

<213> Homo sapiens

<400> 207

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tccagacaaa taaagcaatt ataaatgtat ctactttac aacagacaaa aaaagggcat 180

gctatgaaa ttgtttaa atctcaagcaac aatgctgatt aatttctggt caataatcgt 240

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ctcagcagaa aagaaagcat ctacagaggac acataaaatg tctggcaacc cctcttggcg 360

gccctcatcc agcaaagctt gtgtggtctt ggcaactgtc ctcaggactc tgctttcaag 420  
atgaaagagg thtagcttac ccgctcaata caccaagtac aagatttagt acgaaaaatg 480  
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tcat 544

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<211> 308  
<212> DNA  
<213> Homo sapiens

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tatttttact cgggctatcc agaagtagaa gaaatagagc caattctcat ttattcagcg 180  
aaaatcctct ggggttaaaa tttaagttt gaaagaactt gacactacag aaatttttct 240  
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agtcgacg 308

<210> 209  
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<212> DNA  
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<223> a or g or c or t/u

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<222> (687)..(687)

<223> a or g or c or t/u

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<222> (781)..(781)

<223> a or g or c or t/u

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<222> (795)..(795)

<223> a or g or c or t/u

<400> 209

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ttgaatgctg aggttagggt gccggaaaga ttcagggtcc ttcggtacc tcacatggct 180

tggctttggt agaacaagaa actaagctct gatttggctt taaatgagag tgctaaattt 240

cctttttcta ataaagaacc tagctaaaca tttatatata cttttgaaca ctgaactttc 300

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aacgaggtaa gtgaaagttt tcgctgatcc ttgtttccat caagctgacg tctgtttccc 540

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gaaagacctc tganggacca ggangcnact ctggccacat gtgccctcct ggatgctcgt 720

tttgcaaatg gagagctgtg tgctgagttg acttctctgt ccgcagttcc ccctccactg 780

nggctctggg gttgntgatg tgcaggtaaa aaaaaggagg gttgttgaag gttattagtt 840

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ctctttaagg ggcttttcat gccagagac ccaaatttt 939

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<211> 966  
<212> DNA  
<213> Homo sapiens

<400> 210  
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gtaatatgt gaatggagt gaatgctgag gtaggggtgc cggaaagatt cagggtcctt 180  
cggtagcctc acatggcttg gctttgtag aacaagaaac taagctctga ttggcttta 240  
aatgagagt gctaaattcc ttttctaata aaagaaccta gctaaacatt tatatatact 300  
tttgaacact gaactttctt gttgcagagt taacagctgt tgggggtagc tgacagctgg 360  
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gctgtcggga tcagtggaaa cgaggtaagt gaaagtttc gctgacctt gttccatca 540  
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gcagttccc ctccacctgg ggctcctggg tggtaggggg ccaggtaaaa aaagggaagg 840  
tgtttgaggg tattaatggg tccccgggcg ggctgatcga atcctgggga ctccacgtcc 900  
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agcggg 966

<210> 211  
<211> 692  
<212> DNA



<213> Homo sapiens

<400> 211

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cgctgaataa atgagaattg gctctattc ttctactct ggatagcccg agtaaaaaa 180  
ctaataatt ctagattta gtggggaact acaattatta ggacccatgg atattgctgc 240  
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agtatattac aagtcatgta cagtaaactc ataatttaa acaaactagt gtatctaagt 360  
ttacctgggt gcgagtgc atttattcca gtttacagtt gcccttagcg tgacagtcag 420  
aaaccgacca tcggagtgat attctcttat gtaaactggc gtcacatcac agaaaacctt 480  
atttatgagg tccattgcc ctcgcaataa tcaactgtag ctgggtctg acttacttac 540  
acaccgtatt tcagaacagc taaacaggaa ccaggacgca gtgtatttgg gggaaagggt 600  
ttacaaatgg atatgttggg cccagtgact gatatgctag accgatggct gaggtaacga 660  
cacaggtgtg atgactgtca tcacctttaa ct 692

<210> 212

<211> 595

<212> DNA

<213> Homo sapiens

<400> 212

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acaaataaag caattataaa tgatctcac tttagaacag acaaaaaaag ggcatgctat 180  
ggaaattgtt taaatctaa gcaacaatgc tgattaattt ctggtcaata atcgttctat 240  
agttctcctt catgaagcct ggtgaggctc caggaaacag cttgatttgg gaagcctcag 300  
cagaaaagaa agcatctcag aggacacata aaatgtctgg caaccctct tggcggccct 360

catccagcaa agcttgtgtg gtcttgcaa ctgtcctcag gactctgctt tcaagatgaa 420  
agaggtgtag cttacccgct caatacacca agtacaagat ttagtacgaa aaatgacca 480  
aagatgacga gactgacaaa atacaccag ggcaattcaa atcccatagc atcattcatc 540  
tgcaagaaat aagatggctc cataggagtg ggtaataag aggatttaag aagga 595

<210> 213  
<211> 999  
<212> DNA  
<213> Homo sapiens

<400> 213  
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agttgaatgc tgacggttag ggtgccggaa agattcaggg tccttcggta ccctcacatg 180  
gcttggttt ggtagaaca gaaactaagc tctgatttg ctttaaatga gaggctaaa 240  
tttctttt claataaaga acctagctaa acatttat atactttga acactgaact 300  
ttctgtcag cagagttaac agctgtagg ggtagctgac acggctggat cctggtgctg 360  
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cacgtacagc tctccacaag tcagctcgtg gctatccatc atgtccctga acaagcccac 660  
accaccccc cccaagcgac acagcaacga gcaccaccg gacgaacaa aggacggacc 720  
cccctgccc aacctctgc ccatccgga cagaccgcc aagcaaacac gacaacctaa 780  
caaagcagag ggacagaccc atagcgccc ctaccggaag cgtacaccac ttccaacag 840  
taaggccaaa agagcgacgc ggagcacgtg aacggataag aaaacgagag aaggcacggc 900  
cgcatggcaa acacaccagc aagcagcaga cagcacgtgg gcacgacaca ggacagaaag 960

cagcccacct cagaggggac caacgaagag tcgcacgac 999

<210> 214  
<211> 695  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (695)..(695)  
<223> a or g or c or t/u

<400> 214  
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gcgaggggcaa tgggacctca taaataaggt ttctgtgat gtgacgccag ttacataag 180  
agaatatcac tccggtggtc ggtttctgac tgcacgcta agggcaactg taaactggaa 240  
taataatgca ctgcgaacca ggtaaaacta gatacactag ttgtttaaa attatagatt 300  
tactgtacat gacttgtaat atactataat ttgtattgt aaagagatgg tctatatttt 360  
gtaattactg tattgtattt gaactgcagc aatatccatg ggtcctaata attgtagttc 420  
cccactaaaa tctagaaatt attagtattt ttactcgggc tatccagaag tagaagaaat 480  
agagccaatt ctcatattt cagcgaaaat cctctggggg taaaatttta agtttgaaag 540  
aactgacac tacagaaatt ttctaaaat atttgagtc actataaacc tatcatcttt 600  
ccacaagata taccagatga ctatttgcag tcttttcttt gggcaagagt tccatgattt 660  
tgatactgta cctttggatc caccatgggt tgcan 695

<210> 215  
<211> 870  
<212> DNA  
<213> Homo sapiens

<400> 215

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 ctaactggtt ttctaaacc agccagctgc ctatcaaac agtacaactt ttctaggaaa 180  
 tgcaattggc aaagacactt acgatgctga gaaglacaca aggtgaaact gctccagttt 240  
 ttctcatagc agggtcagca ggaaagcaag tgggtcccct ggtcccatct cacacagggtg 300  
 agactgcacc gagaggtaac gtggccctca cagcccacca cgctggcct tcgccaatt 360  
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 gggtgatgt cggagtccat aggctgagca gagatgggtc ttagtgaggt tctcgtgcc 480  
 agttgacggt gaaatcatag ctgccattta cattttgtga gattatgaaa aacataagac 540  
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 gggaccaaaa aggaaaaaca ttcatctta aaacttctct aagacaaagg aaaacaaaaa 660  
 accatgctct acaacttcaa attttctta caaagaaaaa tttaatttc gatgagcagg 720  
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 cattttggcc tgatgtgat ccaaaagacc 870

<210> 216  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 216  
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 gtagtgtaa gttctttcaa acttaaaatt ttaaccccag aggattttcg ctgaataaat 120  
 gagaattggc tctatttctt ctacttctgg atagcccag taaaaatact aataatttct 180  
 agattttagt ggggaactac aattattagg acccatggat attgctgcag ttcaataca 240  
 atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattaca 300

gtcatgtaca gtaaactctat tttaaacaaa ctagtgtatc taagtttacc tggttgcgag 360

tgcattat 368

<210> 217

<211> 412

<212> DNA

<213> Homo sapiens

<400> 217

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aggaaatggg gcagcctgta agaatgccag ttgttaagta ctgactttgg aaaagatcat 120

cgcctctatc agacacttag ggtcctgggc tggcaatttt ggcctgatgt gatgccacaa 180

gaccaacag agagagacac agagtccagg ataatgttga cagtgggtga gccctttagg 240

agaaatggcg ctccctgcgg ctggtattag gttaccattg gcaccgaaga gaccaggagg 300

ataagaatat ccataatttc agagctgccc tggcacagta cctgccccgt cggaggctct 360

cactggcaaa tgacagctct gtgcaaggag cactcccaag tataaaaatt at 412

<210> 218

<211> 610

<212> DNA

<213> Homo sapiens

<400> 218

ccgcgtccgg tcagatggta caagtttgc tctataatta agactttcc accatcacia 60

actttaacaa caaagtctaa aatcttgggc agcatagaaa ataggttcta gctaagcagg 120

agttttgtcc tctaccaaga ccttctga aaatcactta tcaagacagt ttctgtgaag 180

aaaaagccat atcccagctg atttccctc ctggggccaa aatctgctat tattcggcct 240

gaaagccttg atgactctgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 300

gtatggatgc ttgtgtgtgt gtatggggaa tatgtgatta atgtgtgttg gctgctgttg 360

tctctgattt ggctactgtt gttctgatt taaatctaag taaatgttta attaaatgta 420

tagaatgctg tctctaagt gacctctct ccttattaaa tctcttatt aacctactcc 480  
 tatgagacca tcttattct tgcagatgaa tgatgctatg ggatttgaat tgccttgggt 540  
 gtattttgtc agtctcgtca tctttgggtc atttttcgta ctaaactctg tacttggtgt 600  
 attgagcggg 610

<210> 219  
 <211> 236  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (195)..(195)  
 <223> a or g or c or t/u

<400> 219  
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 ctctgaaatt atggatattc ttactctct ggttcctct gtgtcaatg gtaacctaat 180  
 accagccgca ggacncgcca ttctcctaa agggtacac cactgtcaac attatc 236

<210> 220  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 220  
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 actatttgca gtcttttct tgggcaagag ttccatgatt tgatactgt acctttgat 180  
 ccaccatggg ttgcaactgt ctttggttt gttgtttga ctgaaccac cctctggtaa 240  
 gtaagtaagt gaattacaga gcaggctccag ctggctgctc tgccccttgg gtatccatag 300

ttacggtttt ctctgtggcc caccagggt gtttttgca tcgctggtgc agaatgcat 360  
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 aggggtg 427

<210> 221  
 <211> 838  
 <212> DNA  
 <213> Homo sapiens

<400> 221  
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 gagcgggcac agtggctcac gcctataatc ccagcacttt cggaggccga ggcagctgga 120  
 ccacccgaga tcaggagttt gagaccagcc tgactaaggc agtgaaaccc tgtctctact 180  
 aaaaatacaa aaattagcca ggcattggtg cgcatgcctg taatcccagc tacttgggag 240  
 gctgaggcag gagaatcact tgaaccaggg aggtggagat tgcagtgagc caagactgca 300  
 ccattgcatt ccagcctggg tgacaagagc aaaactccat ctcaaaaaa aaaaaaaaaa 360  
 aaaaaaaaaa agacttttct ctattcaac actttaccag catctactga cagaaaatgg 420  
 acaattgaat ttctccaat atatatacct ctgatatgct tgctttgtaa aagagtagtg 480  
 taattgctta caacattgaa aaggttgta ttggggctct ggggtagcca ggatatcggc 540  
 atgatttgc accatattca gaataaaact gtactgcaat agtgagttaa ttccatatct 600  
 tggccaacag agaattttg gccagtggct actaaggcac acggaagtcc agtctaaaag 660  
 ggacagggga ggactcttg tagatagttc ttatgattaa aaaataactt cctatgtgtt 720  
 gtagtgatga ttaagctga cagaatgcta aagacacccc ttatgattac ctggtagcaa 780  
 agtaccttcc ccacatttaa cctggatttg cccttttggg ttgaaagag gctaaata 838

<210> 222  
 <211> 904  
 <212> DNA

<213> Homo sapiens

<400> 222

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gtaatatttg tgatatggag ttcgaatggc tgaggcttag gtgtgccgag aaagattcag 180  
ggtccttcgg taccctcaca tggcttggct ttggtagaac aagaaactaa gctctgattt 240  
ggctttaaat gagagtgcata aatttccttt ttctaataaa gaacctagct aaacatttat 300  
atatactttt gaacctgaa ctttcttgtt gcagagttaa cagctgttgg gggtagctga 360  
cagctggatc ctgggtctgt tggtagcatg gtacctgaag tgcacaggct ggtagccaca 420  
cctgacatta acaagtgagt ggtaacctct ctgccgctgg ctcacagcta ctgtttccat 480  
agaaatggct gtcgggatca gtggaaacga ggtaagtga agttttcgct gatccttgtt 540  
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acagattcag tagagctctc acttgcagc tgtggctatc atctgttctt gaccaagttc 660  
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cacatgtgcc ctcttgatg ctggtttgc agatggagag ctgtgtgctg agttgacttc 780  
tctgtccgca gtccccctc cacctgtgct ctgggttgtt gatgtgccag ttaaacagg 840  
gaggctgctt cagggtatta gtgttgccaa ggggaggctg ttgaaatctg gttgatccca 900  
aatc 904

<210> 223

<211> 935

<212> DNA

<213> Homo sapiens

<400> 223

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agatttgctc acagtggat gtcccccttt ctgaacctg aagtaatatt gtgaatggag 120



ttgaatgctg aggttagggt gccggaaaga ttcagggtcc ttcggtaccc tcacatggct 180  
 tggctttggt agaacaagaa actaagctct gatttggctt taaatgagag tgctaaattt 240  
 ccttttcta ataaagaacc tagctaaaca ttatatata cttttgaaca ctgaacttc 300  
 ttgttcaga gttaacagct gttgggggta gctgacagct ggatcctggt gctgttgga 360  
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 cctctctgcc gctggctcac agctactgtt tccatagaaa tggctgtcgg gatcagtga 480  
 aacgaggtaa gtgaaagttt tcgctgatcc ttgtttccat caagctgacg tctgtttccc 540  
 tggcaacagc agtggacagc agccaggcgc tagcaacaga ttcagtagag ctctcacttg 600  
 tcagctgtgg ctatcatctg ttctgacca agttctttt tttttttta ataattaca 660  
 gaaagacctc tgaggacceca gggagcacct ctggccacat gtgccctcct gaatgctcgt 720  
 ttgcaaatg gagagctgtg tgctgagttg acttctctgt ccgcaggtcc cctccaact 780  
 gtgctcctgg gttgtgatgt gcagggttaa accagggaag ctgtgaagg gtattagtgt 840  
 tgccagggaagg aggtgttga attctggtg atcccaaacc cctaggggga agagaaatcc 900  
 cttacgagtg gttttcatg gccaggaacc ctata 935

<210> 224  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<400> 224  
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 ttttctaaaa tttttgagt cactataaac ctatcatctt tccacaagat ataccagatg 120  
 actatttgca gtcttttctt tgggcaagag ttccatgatt ttgatactgt acctttggat 180  
 ccaccatggg ttgcaactgt ctttggtttt gttgtttga cttgaaccac cctctggtaa 240  
 gtaagtaagt gaattacaga gcagggtccag ctggctgctc tgccccttgg gtatccatag 300  
 ttacggtttt ctctgtggcc caccagggt gtttttgca tcgctggtgc agaaatgcat 360

aggtggatga gatatagctg ct

382

<210> 225

<211> 461

<212> DNA

<213> Homo sapiens

<400> 225

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gtagtgtaa gttctttcaa acttaaaatt ttaacccag aggattttcg ctgaataaat 120

gagaattggc tctatttctt ctacttctgg atagcccgag taaaataact aataatttct 180

agattttagt ggggaactac aattattagg acccatggat atagctgcag ttcaaataca 240

atacagtaat tacaaaatat agaccatctc ttacaaata caaattatag tatattacaa 300

gtcatgtaca gtaaactctat aattttaaac aaactagtgt atctaagtt accaggttgc 360

gagtgcatta ttattccagt ttacagttgc ccttagcgtg acagtcagaa accgaccatc 420

ggagtgatat tctcttatgt aaacaggcgt cacatcacag a 461

<210> 226

<211> 557

<212> DNA

<213> Homo sapiens

<400> 226

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ctgtagtgc aagttcttc aaacttaaaa ttttaacccc agaggatttt cgctgaataa 120

atgagaattg gctctatttc ttctacttct ggatagcccg agtaaaaata ctaataattt 180

ctagatttta gtggggaact acaattatta ggacccatgg atattgctgc agttcaaata 240

caatacagta attacaaaat atagaccatc tctttacaaa tacaaattat agtatattac 300

aagtcatgta cagtaaatct ataattttaa acaaactagt gtatctaagt ttacctggtt 360

gcgagtgcatt tattattcca gtttacagtt gcccttagcg tgacagtcag aaaccgacca 420

tcggagtgat attctcttat gtaaactggc gtcacatcac agaaaacctt atttatgagg 480

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tcagaacagc taaacag 557

<210> 227

<211> 481

<212> DNA

<213> Homo sapiens

<400> 227

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ttctgtagt tcaagttctt tcaaacttaa aattttaacc ccagaggatt ttcgctgaat 120

aatgagaat tggctctatt tcttctactt ctggatagcc cgagtaaaaa tactaataat 180

ttctagattt tagtggggaa ctacaattat taggacccat ggatattgct gcagttcaaa 240

tacaatacag taattacaaa atatagacca tctctttaca aatacaaatt atagtatatt 300

acaagtcag tacagtaaat ctataatttt aaacaaacta gtgtatctaa gtttacctgg 360

ttgcgagtgc attattattc cagtttacag ttgcccttag cgtgacagtc agaaaccgac 420

catcggagtg atattctctt atgtaaactg gcgtcacatc acagaaaacc ttattatga 480

g 481

<210> 228

<211> 466

<212> DNA

<213> Homo sapiens

<400> 228

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agtgtaagt tctttcaaac ttaaaatttt aacccagag gattttcgct gaataaatga 120

gaattggctc tatttctct acttctggat agcccagta aaaatactaa taatttctag 180

attttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caaatacaat 240

acagtaatta caaaatatag accatctctt tacaaatata aattatagta tattacaagt 300  
catgtacagt aaatctataa ttttaaacaa actagtgtat ctaagtttac ctggttgcga 360  
gtgcattatt attccagttt acagttgccc ttagcgtgac agtcagaaac cgaccatcgg 420  
agtgatattc tcttatgtaa actggcgtca catcacagaa aacctt 466

<210> 229  
<211> 353  
<212> DNA  
<213> Homo sapiens

<400> 229  
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aaagatcaaa cctgagttag ttctaaattc acatacggat ttttttgca tgacgaaatc 120  
tattctcttt ttctgacaa ctctccacc tagatgttg ggaaagtgc catgagagat 180  
aacaaccaga tcaataggaa caataactc cagacgttc cccaggcggg gctgctgctc 240  
ttcaggtgac tgcaactggc ttgggcggg ctctgggca ggggggtccg ctaggcgtgg 300  
gtccagaggg acggaggaca caggttatta aagcagtgtg cctttctcag ttg 353

<210> 230  
<211> 526  
<212> DNA  
<213> Homo sapiens

<400> 230  
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tttttatta aaatgcaaaa tgttcttcag aataaaactg tgtaataatt ttatacttg 180  
ggagtgtccc ttgcacagag ctgtcatttg ccagtgagag cctccgacgg ggcaggtact 240  
gtgccagggc agctctgaaa ttatggatat tcttaccctc ctggttcctt cgggtgccaat 300  
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cattatcctg gactctgtgt ctctctctgt tgggtcttgt ggcatcacat caggccaaaa 420  
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<210> 231  
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 <213> Homo sapiens

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 gccttcgccc aattctgaaa ctctctagga tagagctgga aagtgccaca tgggaagcg 240  
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 agaatgccag ttgtaagta ctgactttgg aaaagatcat cgcctctatc agacacttag 660  
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 <212> DNA  
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 agcaggcca gctggctgct ctgccccttg ggtatccata gttacggttt tctctgtggc 360  
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 gctctgtcc tc 432

<210> 233  
 <211> 502  
 <212> DNA  
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 gaattggctc tatttctct acttctggat agcccagta aaaatactaa taatttctag 180  
 attttagtgg ggaactacaa ttattaggac ccatggatat tgctgcagtt caataacaat 240  
 acagtaatta caaaatatag accatctctt tacaataca aattatagta tattacaagt 300  
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 gtgcattatt attccagttt acagttgccc ttagcgtgac agtcagaaac cgaccatcgg 420  
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 <211> 356  
 <212> DNA

<213> Homo sapiens

<400> 234

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agaattggct ctatttcttc tacttctgga tagcccgagt aaaaatacta ataatttcta 180  
gatttttagtg gggaactaca attattagga cccatggata ttgctgcagt tcaaatacaa 240  
tacagtaatt aaaaaatata gaccatctct ttacaaatac aaattatagt atattacaag 300  
tcattgtacag taaatctata attttaaaca aactagtgtg tctaagtta cctggg 356

<210> 235

<211> 442

<212> DNA

<213> Homo sapiens

<400> 235

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attggctcta ttcttctac ttctggatag cccgagtaaa aatactaata atttctagat 180  
tttagtgggg aacctacaat tattaggacc catggatatt gctgcagttc aaatacaata 240  
cagtaattac aaaatataga ccattctttt acaaatacaa attatagtat attacaagtc 300  
atgtacagta aatctataat tttaacaaa ctagtgtatc taagtttacc tggttgcgag 360  
tgcattatta ttccagtta cagttgccct tagcgtgaca gtcagaaacc gaccatcgga 420  
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<210> 236

<211> 552

<212> DNA

<213> Homo sapiens

<400> 236

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 cctcagcaga aaagaaagca tctcagagga cacataaaat gtciggaac ccctcttggc 360  
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 gatgaaagag gtgtagctta cccgctcaat acaccaagta caagatttag tacgaaaaat 480  
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 aatggttaacc taataccagc cgcaggagc gccatttctc cttaaagggt acaccactgt 360  
 caacattatc ctggactctg tgtctctctc tgttgggtct tgtggcatca calcaggcca 420  
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 acttacaac t 491



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<212> DNA  
<213> Homo sapiens

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cattcttact ctgatccagg caaaaacact tcaagggttg taaatgactc tttctgaca 180  
  
taaatecttt ttattaaaa tgcaaaatgt tcttcagaat aaaactgtgt aataatttt 240  
  
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<212> DNA  
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aagggaact gtaaactgga ataataatgc actcgcaacc aggtaaactt agatacacta 180  
  
gtttgtttaa aattatagat ttactgtaca tgacttgtaa tatactataa ttgtatttg 240  
  
taaagagatg gtctatattt tgtaattact gtattgtatt tgaactgcag caatatccat 300  
  
gggtcctaataa aattgtagtt cccactaaa atctagaaat tattagtatt ttactcggg 360  
  
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<211> 474  
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<213> Homo sapiens

<400> 240

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tctccttatt aaatcctctt attaacccac tcctatgaga ccatcttatt tcttgcatg 180  
gaatgatgct atgggatttg aattgccctg ggtgtathtt gtcagtctcg tcacttttgg 240  
gtcatttttc gtactaaatc ttgtacttgg tgtattgagc gggtaagcta cacctctttc 300  
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gccgccaaga ggggttgcca gacattttat gtgtcctctg agatgctttc ttttctgctg 420  
aggcttccca aatcaagctg ttctctggaa cctcaccagg ctctcatgaag gaga 474

<210> 241

<211> 594

<212> DNA

<213> Homo sapiens

<400> 241

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tcctttttta ttaaatgca aaatgttctt cagaataaaa ctgtgtaata atttttatac 180  
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caacattalc ctggactctg tgtctctctc tgttgggtct tgtggcatca catcaggcca 420  
aaattgccag accaggacc taagtgtctg ataggcgga tgatctttc caaagtcagt 480  
acttacaac tggcattctt acaggctgca ccatttccta gtatgtctgc ttaagcctg 540  
gttcaacctc tcatcgaata ttaaattttt ctttgtaaga aaaaaaaaaa aaaa 594

<210> 242  
<211> 548  
<212> DNA  
<213> Homo sapiens

<400> 242  
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tcctttttta ttaaaatgca aaatgttctt cagaataaaa ctgtgtaata atttttatac 180  
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caacattalc ctggactctg tgtctctctc tgttgggtct tgtggcatca catcaggcca 420  
aaattgccag accaggaccc taagtgtctg atagaggcga tgatcttttc caaagtcagt 480  
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<223> a or g or c or t/u

<400> 243

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tgagccccct gtgagggttg aacagatgtg gacaggactt gggtcaggc actagagtgg 180

tgcagcctgt aagaatgcca gtttgaagt actgactttg gaaaagatca tcgcctctat 240

cagacactta gggctcctgt ctggcaattt tggcctgatg tgatgccaca agaccaaca 300

gagagagaca cagagtcag gatnaatgtt gacagtgggtg tagccttttag gaagaaatgg 360

cgctccctgc ggctgggtatt aggttaccat tggcanccga aggaacccag gaggattaag 420

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<210> 244

<211> 434

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<222> (351)..(351)

<223> a or g or c or t/u

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<223> a or g or c or t/u

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 gggagtgtct cttgcacaga gctgtcattt gccagtgaga gcctccgacg gggcaggtac 300  
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 <223> a or g or c or t/u

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 acataaatcc ttttttatta aaatgcaaaa tgttcttcag aataaaactg tgtaataatt 180  
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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ccaacagaga gagacacaga gtccaggata atgttgacag tgggttagcc cttaggaga 240

aatggcgctc cctgcggctg gtattaggtt accattggca ccgaagaacc aggaggataa 300

gaatatccat aatttcagag ctggccctgg cacagtacct gccccgtcgg aggctctcac 360

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<211> 443

<212> DNA

<213> Homo sapiens

<400> 247

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taagacattc ttactctgat ccaggcaaaa acacttcaag gtttgtaaata gactttttcc 180

tgacataaat ccttttttat taaaatgcaa aatgttcttc agaataaaac tgtgtaataa 240

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gtacagtaaa tctataatTT taaacaaact agtgtatcta agtttacctg gttgcgagtg 360

cattattatt ccagtttaca gttgccctta gcgtgacagt cagaaaccga ccatcggagt 420

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<211> 7635

<212> DNA

<213> Homo sapiens

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gacagatgtg ctctactggg taaatgatgc gataggatgg gaatggccat gggcgtattt 180  
tgttagtctg atcatccttg gctcattttt cgtccttaac ctggttcttg gtgtccttag 240  
tggagaattc tcaaaggaaa gagagaaggc aaaagcacgg ggagatttcc agaagctccg 300  
ggagaagcag cagctggagg aggatctaaa gggctacttg g 341

<210> 255  
<211> 406  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (332)..(332)  
<223> a or g or c or t/u

<400> 255

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acaggcgtga ttaaggacac tgcattgatg ttgctccaga atgccggcgt gctatatcgt 180  
gtgatttgca agatgacgag cgtgaggaaa caaacgaga agaagaagat gatgtgttca 240  
aaagaaatgg tgcctgctt ggaaacctg tcaatcatgt taatagtat aggagagatt 300  
cccttcagca gaccaatacc acccaccgtc cncatcatgt ccaaggcct tcaattccac 360  
ctgcaagtga tactgagaaa ccgctgttcc tccagcagga aattcg 406

<210> 256  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 256  
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ggaggggtgg ccacgaccg ggtcgagtga ctggtgagc acttctgtgc ttacttgaa 120  
tctaggccgg caactgcat gatctgttgc tgcattgat gcagaggcag tgccgcgcga 180  
tggtgaagat gggagacgac gggacctctt gctggctgct ctgccggcgc aggcac 236

<210> 257  
<211> 586  
<212> DNA  
<213> Homo sapiens

<400> 257  
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aacattttgt gagaattaat gtgacaatgt atgtgcagtg cttagcacat agcaagtgt 120  
catgaatggt agccaccaag atggctgttg tcattttagt ttgcagcagt tccactgtc 180  
atcattgagt tcccaggag tcccccttc ttgggaaca gacttgctct ctgtagctcc 240  
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tgtattccaa ttccacagcc cagttcttgt ctttgtcttc cttttattta agcagcagcc 360  
 acacagaatt agcccttttc aaaaataaat aagattatca tcctgttttg cgtccctggg 420  
 gtaacagact ctaacatttc ttctcttttc tcttctttca gattgtctag tgtaattttg 480  
 gaacaattaa ccaaagaaac agaaggcggg aaccactcac gcggcaaatac tggaggcttt 540  
 gatgtcaaag ccttccgtgc ctttcgagtg ttgcgaccac ttcgaa 586

<210> 258  
 <211> 549  
 <212> DNA  
 <213> Homo sapiens

<400> 258  
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 caagcatgac cgggagcctc agagaaggtc cagtgtgaaa aggtccgact caggagatga 180  
 acagctccca actatttgcc gggaagaccc agagatacat ggctatttca gggaccccca 240  
 ctgcttgggg gagcaggagt atttcagtag tgaggaatgc tacgaggatg acagctcgcc 300  
 cacctggagc aggcaaaact atggctacta cagcagatac ccaggcagaa acatcgactc 360  
 tgagaggccc cgaggctacc atcatcccca aggattcttg gaggacgatg actcgcccgt 420  
 ttgctatgat tcacggagat ctccaaggag acgcctacta cctcccacc cagcatgtga 480  
 ggccagattt ttgtttttg ggtggaacct cccggggaac agtgtacctt tccccaacc 540  
 cccgctctg 549

<210> 259  
 <211> 595  
 <212> DNA  
 <213> Homo sapiens

<400> 259  
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ttttctctgt ggcccacca ggggtgtttt tgcacgctg gtgcagaaat gcacagggtg 120  
 atgagatata gctgctcttg tcctctgggg actggtggg ctgcttaaga aataaggggt 180  
 gctggggaca gaggagcaac gtggtgatct ataggattgg agtgtcgggg tctgtacaaa 240  
 tcgtattgtt gccttttaca aaactgctgt actgtatgtt ctctttgagg gcttttatat 300  
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 gatgaaaacc cacttttgga taattagaac cgtcaaggct tcattttctg tcaacagaat 420  
 taggccgact gtcagggtac ctgggcaggg attccctgca atcaaaaaga tagatgatag 480  
 gtagcaattt tggtcacaaa ttttaatatag tatacagaca acctgttaat tttttttt 540  
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<210> 260  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 260  
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 gcttgactga aagaaagaca aaaagtgtta agattctggt tccgagggtg tgagcacaca 180  
 ctcccatca tttcagctgg agatttcat 209

<210> 261  
 <211> 687  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (632)..(632)  
 <223> a or g or c or t/u

<400> 261  
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 ttaagaagag gtttgtaagg tcttcataac aaagtgggtgt ttgtattta caaaaaaaaa 180  
 aaaaaaaaaat taacagggtg tctgtatact attaaaaatt ttggaccaa attgctacct 240  
 atcatctatc ttttgattg cagggaatcc ctgccaaggt aactgacag tcggccta 300  
 tctgttgaca gaaaatgaag ccttgacggt tctaattatc caaaagtggg tttcatcag 360  
 gacgtacagt cagagtgtga gtgcattcta atgaaaactt ctcagccct cattcaattg 420  
 catacaaaag ccctcaaaga gaacatacag tacagcagtt ttgtaaagg caacaatag 480  
 attgtacag accccgacac tccaatccta tagatcacca cgttgctcct ctgtccccag 540  
 cacccttat ttcttaagca gcaccaccag tccccagagg acaagagcag ctatatctca 600  
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 aaccgtaact atggataccc aaggggc 687

<210> 262  
 <211> 573  
 <212> DNA  
 <213> Homo sapiens

<400> 262  
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 ctctgatcca ggcaaaaaca cttcaagggt tgtaaatgac tcttctctga cataaatcct 120  
 ttttattaa aatgcaaaat gttcttcaga ataaaactgt gtaataattt ttatacttgg 180  
 gagtgcctct tgcacagagc tgcatttgc cagtgaagc ctccgacggg gcaggtactg 240  
 tgccagggca gctctgaaat tatggatatt cttatcctcc tggttccttc ggtgccaatg 300  
 gtaacctaata accagccgca gggagcgcca ttctcctaa agggctacac cactgtcaac 360  
 attatcctgg actctgtgtc tctctctgtt gggctctgtg gcatcacatc aggccaaaat 420  
 tgccagacca ggaccctaag tgtctgatag aggcgatgat cttttccaaa gtcagtactt 480



acaaactggc attcttacag gctgcacat ttccatgat gtctgcttta agcctggctc 540

aacctctcat cgaatattaa attttcttt gta 573

<210> 263

<211> 453

<212> DNA

<213> Homo sapiens

<400> 263

tttttttt ttttcttgg ggaaagatga taggtttata gtgactcaaa atattttaaa 60

aaaatttctg taggggtcaag ttctttcaaa cttaaaattt taaccccaga ggattttcgc 120

tgaataaatg aaaattggct ctatttcttc aacttcggga tagcccgagt aaaaatacta 180

ataatttcta aattttaggg gggaactaca attattagga cccatggata ttgctgcagt 240

tcaaatacaa tacagtaatt acaaaatata gaccatctct ttacaaatac aaattatagt 300

atattacaag tcatgtacag taaatctata attttaaaca aactagtgt tctaagtta 360

cctgggtgcg agtgcatat tattccagtt tacagttgcc cttagcgtga cagtcagaaa 420

ccgaccatcg gagtgatatt ctcttatga aac 453

<210> 264

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (311)..(311)

<223> a or g or c or t/u

<400> 264

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attgtgaatg gagtgaatg ctgaggttag ggtgccgga agattcaggg tccttcggt 180

ccctcacatg gcttggttt ggtagaaca gaaactaagc tctgatttgg ctttaaatga 240

gagtgcataa ttccctttt ctaataaaga acctagctaa acatttatat atactttga 300  
 aactgaact ntctgttgc agagttaaca gctgttgggg gtagctgaca gctggatcct 360  
 ggtgctgttg gtaccatggt acctgaagtg cacaggctgg tagccacacc tgaca 415

<210> 265  
 <211> 646  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (43)..(43)  
 <223> a or g or c or t/u

<220>  
 <221> misc\_feature  
 <222> (573)..(573)  
 <223> a or g or c or t/u

<400> 265  
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 ctttggaana gatcatcgcc tctatcagac acttagggtc ctggtctggc aattttggcc 180  
 tgatgtgatg ccacaagacc caacagagag agacacagag tccaggataa tgttgacagt 240  
 ggtgtagccc ttaggagaa atggcgctcc ctgcggctgg tattaggta ccattggcac 300  
 cgaaggaacc aggaggataa gaatatccat aatttcagag ctgccctggc acagtacctg 360  
 ccccgctgga ggctctcact ggcaaatgac agctctgtgc aaggagcact cccaagtata 420  
 aaaattatta cacagtttta ttctgaagaa cattttgcat ttaataaaa aaggatttat 480  
 gtcaggaaag agtcatttac aaaccttgaa gtgttttgc ctggatcaga gtaagaatgt 540  
 ctaagaaga ggtttgtaag gtcttcataa canagtgggtg ttgttattt acaaaaaaaaa 600  
 aaaaaaaaaa aataaaaaaaaa aaaaaaaaaa cctcgtgccg aattct 646

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 <211> 668  
 <212> DNA  
 <213> Homo sapiens

<400> 266  
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 ttctctgaca taaatccttt ttattaaaa tgcaaaatgt tcttcagaat aaaactgtgt 180  
 aataattttt atacttggga gtgctccttg cacagagctg tcatttgcca gtgagagcct 240  
 ccgacagggc aggtactgtg ccagggcagc tctgaaatta tggatattct tctcctcctg 300  
 gttccttcgg tgccaatggg aacctaatc cagccgcagg gagcgccatt tctcctaaag 360  
 ggctacacca ctgtcaacat tctcctggac tctgtgtctc tctctgttgg gtcttgtggc 420  
 atcacatcag gccaaaattg ccagaccagg accctaagt tctgatagag gcgatgatct 480  
 ttccaaagt cagtacttac aaactggcat tcttacaggc tgcaccattt cctagtatgt 540  
 ctgctttaag cctggttcaa cctctcatcg aatattaaat tttctttgt aagaaaaatt 600  
 tgaagtgtga gagcatggtt tttgttttc cttgtctta ggaaagtttt aagatgaaat 660  
 gtttttcc 668

<210> 267  
 <211> 496  
 <212> DNA  
 <213> Homo sapiens

<400> 267  
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 gccaccacg cctggccttc gcccaattct gaaacttctg aggatagagc tggaaagtgc 180  
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gatggttctt agtgagggtc tcgctgccag ttgacggtga aatcatagct gccatttaca 300

ttttgtgaga ttatgaaaaa cataagacta aagaaactaa atgtgttatt cctgtggaca 360

caaaaatgtg tgtttttcag atggggaggg gaccaaaaag gaaaaacatt tcattctaaa 420

acttcctaa gacaaaggaa aacaaaaaac catgctctac aactcaaatt tttcttaca 480

aagaaaaatt taatat 496

<210> 268

<211> 701

<212> DNA

<213> Homo sapiens

<400> 268

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accacccgtc cctgcatgt ccaaaggcct tcaattccac ctgcaagtga tactgagaaa 180

ccgctgttct ctcacgagg aaattcggtg tgcataacc atcataacca taattccata 240

ggaaagcaag tccccacctc aacaaatgcc aatctcaata atgccaatat gtccaaagct 300

gcccattgaa agcggcccag catagggaac cttgagcatg tgtctgaaa tgggcatcat 360

tcttcccaca agcatgaccg ggagcctcag agaagggtcca gtgtgaaaag gtccgactca 420

ggagatgaac agtcccaac tattggccgg gaagaccag agatacatgg ctatttcagg 480

cacccccacg gcttggggga gcaggagtat ttcagtagtg aggaatgcta cgaggatgac 540

agctcgccca cctggagcag gcaaaactat ggctactaca gcagataccc aggcagaaac 600

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<210> 269

<211> 515

<212> DNA

<213> Homo sapiens

<400> 269

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ttggctctat ttcttctact tctggatagc ccgagtaaaa atactaataa ttcttagatt 180

ttagtgggga actacaatta ttaggaccca tggatattgc tgcagttcaa atacaatata 240

gtaattacaa aatatagacc atctctttac aaatccaaat tatagtatat tacaagtcac 300

gtaccgtaaa tctattttta acaaaactagg gtatctaagt ttacctggtt gcaagtgcac 360

tattattcca gtttacagtt gcccttagcg tgacagtcag aaaccgacca tcggagtgat 420

attctcttat gtaaaactggc gtcacatcac agaaaacctt atttatttgg gggaaagggt 480

ttaaaaatgg atatgttggg cccagtgact gatac 515

<210> 270

<211> 258

<212> DNA

<213> Homo sapiens

<400> 270

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tagcccttta ggagaaatgg cgctccctgc ggctgggtatt aggttaccat tggcaccgaa 180

ggaaccagga ggataagaat atccataatt tcagagctgc cctggcacgg tacctgcccc 240

gtcggaggct ctactgg 258

<210> 271

<211> 510

<212> DNA

<213> Homo sapiens

<400> 271

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gacgagcccg acatctccta ccggactttc acaccagcca gcctgactgt cccagcagc 120  
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gactatgagc tacaggactt tggctctggc tacagcgacg aagggccaga ccctgggagg 420  
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ggcagactgg ctctggcctc aggtggggcg 510

<210> 272  
<211> 405  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
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<223> a or g or c or t/u

<220>  
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<223> a or g or c or t/u

<400> 272  
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aatTTTgggt cccttgcata cgcgtccac agccttacgg agtatcagcg actgctctcc 240  
accaatgctg cccgcgactc ctactgcttg tccgtgttt ttgggtccgg aagctgctgg 300  
ggacagtcag gctggctggg gtgaaagtcc ggtaggagat gtcgggctcg tctgtgtacc 360

aggagctgcg gtgcagggac ggcaggctgc cggtcacctg gtccg

405

<210> 273

<211> 892

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (27)..(27)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (35)..(35)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (42)..(42)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (49)..(49)

<223> a or g or c or t/u

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<221> misc\_feature

<222> (831)..(831)

<223> a or g or c or t/u

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<222> (835)..(835)

<223> a or g or c or t/u

<400> 273

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aggacagaat ttaattagaa acaacactaa ccacaagagc ctagcacaac ccaaactcag 180

agcttctctgg taatctcaat gcgatggatt cattacacag accatcttat taaaattctc 240

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 gttacctggc aatcttttc ctctctttt ctccgcttc ttctttctga gcagtgttca 600  
 gactttcagc atcagccaaa gtgtctacag cgatggccaa gaagacattc agtagaatat 660  
 ctaattacaa ctttttaagg gcacaacaca ctactaaatg caactacgtg cggccaacaa 720  
 tggcaacgcc acacacctct gcattcccgg aagctgggta gtaggtgacg tccccaagtg 780  
 ttatactcac acagcaaacc tagagtacca gagccctgct ttcaaacaa nacanaacaa 840  
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 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 274  
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 cccaattctg aaacttcgta ggatagagct ggaaagtggc acatggtgaa gcgagatcca 180  
 gctgtctggg tggatgtcgg agctccatag gctgagcaga gatggttctt agtgaggttc 240  
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 cataagacta aagaaactaa atgtgttatt cctgtggaca caaaaatgtg tgttttcag 360  
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 aacaa 425



<210> 275  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (10)..(10)  
<223> a or g or c or t/u

<400> 275  
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gggcaatttt ttcttcatg ttcaactccg agatccttcg aggacggggg cggcaggaa 180  
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tgttggtat ctggttgact tctggtttgt tgttctttt atttctagg ctctctttc 360  
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cagcatcagc caaatggtct a 441

<210> 276  
<211> 165  
<212> DNA  
<213> Homo sapiens

<400> 276  
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tggagatctc cgtgaatcat agcaaacggg cgagtcacg tctacaaga atcctagtgg 120  
atgatggtag cctcggggcc tctcagagtc gatgtttctg cctgg 165

<210> 277  
<211> 330  
<212> DNA

<213> Homo sapiens

<400> 277

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agaggtcccg tcgtctccca tcttcccca tcgcacggcc ctgcctctgc atctaata 180  
gcaacagatc atggcagttg ccggcctaga ttcaagtaaa gcccagaagt actcaccgag 240  
tcactcgacc cgcccgtagg ccacccctcc agcaaccctt ccctaccggg actggacacc 300  
gtgctacacc ccccatgatga cgccgatga 330

<210> 278

<211> 401

<212> DNA

<213> Homo sapiens

<400> 278

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catctaatagc agcaacagat catggcagtt gccggcctag attcaagtaa agcccagaag 300  
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<211> 431

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<213> Homo sapiens

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tctagcccg caactgcat gatctgttc tgcattagat gcagaggcag ggccgtgcga 180  
tgggggaaga tgggagacga cgggacctct tcttggtgc tctgccggcg caggcactca 240  
aagttgaagg aggatctccg gtgggatgct ggggtgggag gtagtaggcg tctccttgga 300  
gatctccgtg aatcatagca nacgggcgag tcactgtcct ccaagaatcc ttgnngatga 360  
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ggtaccgagc t 431

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<212> DNA  
<213> Homo sapiens

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tgggggaaga tgggagacga cgggacctct tcctggctgc tctgccggcg caggcactca 240

aagttgaagg aggatctccg gtgggatgct ggggtgggag gtagtaggcg tctccttgga 300

gatctccgtg aatcatagca aacgggcgag 330

<210> 281

<211> 183

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (70)..(70)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (133)..(133)

<223> a or g or c or t/u

<400> 281

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gagatggaga gtncagccag caccctgctt aatgggaacg tgcgtccccg agccaacggg 180

gat 183

<210> 282

<211> 132

<212> DNA

<213> Homo sapiens

<400> 282

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tattacacag tt

132

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<211> 358

<212> DNA

<213> Homo sapiens

<400> 283

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ccaagtataa aaattattac atagttttat tctgaagaac atttgcatt ttaataaaaa 180

aggatttatg tcaggaaaga gtcatttaca taccttgaat tgttttgcc tggatcagag 240

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caaaaaaaaa aaaaaaaaaa atttttatc cgggtttgtc tgtatacaa ttctctg 358

<210> 284

<211> 289

<212> DNA

<213> Homo sapiens

<400> 284

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ataaacctat catctttcca caagatatac cagatgacta ttgcagtct ttctttggg 180

caagagtcc atgattttga tactgtacct ttggatccac catgggttgc aactgtctt 240

ggttttgtt gtttgacttg aaccaccctc tggaaagcta ctctggaaa 289

<210> 285

<211> 889

<212> DNA

<213> Homo sapiens

<400> 285

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 tctctgacca gccaccagc gcgctacgt tgatgcctgt gtcaatatgc cccctgac 240  
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 gggcgaagaa agcttccga cgcaggcgt tgccgagctg gcgggacatc gggacacttc 780  
 acccagcga gcgcggcttg gggccctct gggcgcggtc tcggttgaca ccggcgaaga 840  
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<210> 286

<211> 1356

<212> DNA

<213> Homo sapiens

<400> 286

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 ccaaggatat cgaaggcttg ctgggagcgg gaggggggcg gaatctggtc gccactccc 180  
 ctctgaccag ccaccagc gcgcctacgc tgatgcctgc tgtcaactat gccccttg 240  
 atctgccagg ctcgcgagg ccgccaagc aatgccacc atgcctggg gtccccagg 300

ggacgtcccc agctcccggtg ccttatgggtt actttggagg cgggtactac tctgccgag 360  
 tgtcccgagg ctcgctgaaa ccctgtgccc aggcagccac cctggccgcg taccgccgg 420  
 agactccac gcccggggaa gagtaccca gccgcccac tgagtttggc ttctatccgg 480  
 gatatccggg aacctaccag cctatggcca gttacctgga cgtgtctgtg gtgcagactc 540  
 tgggtgctcc tggagaaccg cgacatgact ccctgttgcc tgtggacagt taccagtctt 600  
 gggctctcgc tgggtggctgg aacagccaga tgtgttgcca gggagaacag aaccaccag 660  
 gtcccttttg gaaggcagca ttgcagact ccagcgggca gcacctct gacgcctgcg 720  
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 atttgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1356

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 <212> DNA  
 <213> Homo sapiens

<400> 287  
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 aaggatatcg aaggcttgct gggagcggga ggggggcgga atctggtcgc ccactccct 180  
 ctgaccagcc acccagcggc gcctacgctg atgcctgctg tcaactatgc ccccttgat 240  
 ctgccaggct cggcggagcc gccaaagcaa tgccacccat gccctggggt gcccagggg 300  
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 tcccgagct cgctgaaacc ctgtgccag gcagccacc tggccgcgta cccgcggag 420  
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 ggtgctctg gagaaccgcg acatgactcc ctgttcctg tggacagta ccagtctgg 600  
 gctctcgtg gtggctggaa cagccagatg tgtgccagg gagaacagaa cccaccaggt 660  
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 ctttcgt 727

<210> 288  
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 <212> DNA  
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 cgctacgct gatgcctgct gtcaactatc ccccttgga tctgccaggc tcggcggagc 300  
 cgccaaagca atgccacca tgccctgggg tgccccaggg gacgtccca gctcccgtgc 360  
 cttatggtta ctttgaggc ggggtactact cctgccgagt gtcccggagc tcgtgaaac 420  
 cctgtgcca ggcagccacc ctggccgctg accccgcgga gactccacg gccggggaag 480



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 gacatgactc cctgttgcct gtggacagtt accagtcttg ggctctcgct ggtggctgga 660  
 acagccagat gtgttgccag ggagaacaga agccaccagg tcccttttg aaggcagcat 720  
 ctgcagactc cagcgggcag gacctcctga cgctgcggc ctttcgtcgc gagcgcaaga 780  
 aacgcattcc gta 793

<210> 289  
 <211> 759  
 <212> DNA  
 <213> Homo sapiens

<400> 289  
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 gccaccttgg atggagccaa ggatatcga ggcttgctgg gagcgggagg ggggcggaat 180  
 ctggtcgccc actccccctt gaccagccac ccagcggcgc ctacgtgat gcctgctgtc 240  
 aactatgccc ccttggatct gccaggctcg gcggagccgc caaagcaatg ccacccatgc 300  
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 acagttacca gtcttgggt ctcgctgggt ggctggaaca gccagatgtg ttgccagcgc 660  
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 ccctcctgac gcctgcgct ttcgttcgcg ggcgaaaaa 759

<210> 290  
<211> 614  
<212> DNA  
<213> Homo sapiens

<400> 290  
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cgccagatta ccattctggt tcagaaccgc cgggtcaaag agaagaaggt tctcgccaag 180  
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aaaaacctcg tgcc 614

<210> 291  
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<213> Homo sapiens

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ggcagctagt actggtatc gtgattattg cactgtcag gatgaatgat tatgactggg 180  
ccaggttctt tgggaaccct ggtggagtgg gctgtcacat ggggttccgt ctccctgcac 240  
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318

<210> 292

<211> 1483

<212> DNA

<213> Homo sapiens

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taccagccta tggcagttac ctggacgtgt ctgtggtgcc gactctgggt gctcctggag 540

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tggtcgact cccactttt gccgggcgac atccccggg gcccttccg gaacagcgac 660

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agagggcacc gaaagccgcg actctaacc cccactacg actcacgacc gcacaggtac 780

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aaacgcgcca cgcgcaacca cactacacca cggcaccct ttcattcac tcccacgccg 900

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ccaactacct ccgcgccacc cgcgccgcc cacctcaccg gcccgaaccg cccgcacagg 1320  
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<223> a or g or c or t/u

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<223> a or g or c or t/u

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ggatggagcc aaggatatcg aaggcttgct gggagcggga ggggggcgga atctggtcgc 180  
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<212> DNA  
<213> Homo sapiens

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ctcggagcgc cagattacca tctggtttca gaaccgccg gtcaaagaga agaaggttct 180  
cgccaagggtg aagaacagcg ctaccctta agatatctcc tgcctgggt gggaggagcg 240  
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ctgctgagag gccctagag acaacacct tcccaggcca ctggctgctg gactgttct 360  
caggagcggc ctgggtacct agtatgtga gggagacgga acccatgtg acagcccatt 420  
ccaccagggt tcccaaagaa cctggcccag tcataatcat tcactctgac agtggc 476

<210> 295  
<211> 552  
<212> DNA  
<213> Homo sapiens

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ctcgccaagg tgaagaacag cgctaccct taagatatct cctgcctgg gtgggaggag 240  
 cgaaagtggg ggtgtcctgg ggagaccagg aacctgccaa gccaggtg gggccaagga 300  
 ctctgtgag agggccctag agacaacacc ctcccaggc cactggctgc tggactgttc 360  
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 ctccaccagg gtcccaaag aacctggccc agtcataatc attcatctg acagtggcaa 480  
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 ctcggagcgc cagattacca tctggtttca gaaccgccgg gtcaaagaga agaaggttct 180  
 cgccaagggtg aagaacagcg ctaccctta agatatctcc ttgcctgggt gggaggagcg 240  
 aaagtggggg tgtcctgggg agaccaggaa cctgccaagc ccaggctggg gccaaaggact 300  
 ctgtgagag gccctagag acaacacct tcccaggcca ctggtgctg gactgttct 360  
 caggagcggc ctgggtacct agtatgtga gggagacga acccatgtg acagcccact 420  
 ccaccagggt tcccaaagaa cctggcc 447

<210> 297  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 297  
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 gctagtactg gttatcgga ttattgccac tgcaggatg aatgattatg actgggccag 180  
 gttctttggg aaccctggg gagtgggctg tcacatgggg ttccgtctcc ctgcacatac 240  
 tgggtacca gcccgcttct gaggaacagt ccaccacca gtggcctggg aagggtgtg 300  
 tctctagggg cctctcaaca aagtcttgg cccagcctg ggcttggcag gttctggtc 360  
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<210> 298  
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 <212> DNA  
 <213> Homo sapiens

<220>  
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 <222> (6)..(6)  
 <223> a or g or c or t/u

<220>  
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 <223> a or g or c or t/u

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 aagaaggttc tcgccaaggt gaagaacagc gctacccctt aagagatctc cttgcctggg 180  
 tgggaggagc gaaagtgggg gtgtcctggg gagaccagga acctgccaag cccaggctgg 240  
 ggccaaggac tctgtgaga ggcccctaga gacaacacc ttcccaggcc actggctgct 300  
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<212> DNA  
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gtccatggac acggcaatta tgccacctg gatggagcca aggatatga aggcttgctg 180  
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cctacgctga tgcctgctgt caactatgcc ccttggatc tgccaggctc ggcggactct 300  
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cttatggtt 369

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tctcggagcg ccagattacc atctggttc agaaccgccc ggtcaaagag aagaaggttc 180  
tcgccaaggt gaagaacagc gctacccctt aagagatctc cttgcctggg tgggaggagc 240  
gaaagtgggg gtgtcctggg gagaccagga acctgccaag cccaggctgg ggccaaggac 300  
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374

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<211> 337

<212> DNA

<213> Homo sapiens

<400> 301

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aggcccctag agacaacacc ctccaggc cactgctgct ggactgttcc tcaggagcgg 180

cctgggtacc cagtatgtgc agggagacgg aacccatgt gacagcccac tccaccaggg 240

ttccaaaga acctggccca gtcataatca ttatcctga cagtggcaat aatcacgata 300

accagtactc agctgcatg atcgtagcc tcatatt 337

<210> 302

<211> 452

<212> DNA

<213> Homo sapiens

<400> 302

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tagagacaac acccttccca ggccactggc tgctggactg ttctcagga gcggcctggg 180

taccagtat gtgcaggag acggaacccc atgtgacagc cactccacc agggttccca 240

aagaacctgg ccagtcata atcattcatc ctgacagtgg caataatcac gataaccagt 300

actagctgcc atgatcgta gcctcatatt ttctatctag agctctgtag agcacttgta 360

gaaaccgctt tcatgaattg agctaattat gaatagattt ggaaggggaa aaaagtggaa 420

aaagttttgc ccaaagtggg tcgtttacgt cg 452

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 <212> DNA  
 <213> Homo sapiens

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 tcagtggggc ggctggggta ctctccccg gccgtggaga gtctccgagg ggtacggccc 240  
 aggggtggctg cctgggcac agggtttcag cgagctccgg gacactcggc aggagtagta 300  
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 <212> DNA  
 <213> Homo sapiens

<400> 304  
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 ccttgatgg agccaaggat atcgaaggct tgctgggagc gggagggggg cggaatctgg 180  
 tcgcccactc ccctctgacc agccaccag cggcgctacg tgatgcctgc tgtcaactat 240  
 gcccttgat ctgccagtc gcggagccaa agcaatgcca cccatgccct ggggtgcccc 300  
 aggtgacgtc ccagctccc gtgccttatg gttactttgg aggcgggtac tactcctgcc 360  
 gagggtccc gagctcgtg aaacctgtg ccaggcagc caccctggcc gcgtacccc 420  
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<210> 305  
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<213> Homo sapiens

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<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (678)..(678)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (730)..(730)

<223> a or g or c or t/u

<400> 305

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gctccatgga gcccggcaat tatgccacct tggatggagc caaggataac gaaggcttgc 180

tgggagcggg agggggggcgg aatctggctg cccactcccc tctgaccagc caccagcgg 240

cgcctacgct gatgcctgct gtcaactatg ccccttgga tctgccaggc tcggcggagc 300

cgccaaagca atgccacca tgccttgggg tgccccaggg gacgtcccca gctcccgtgc 360

cttatggta ctttggaggc ggggtactact cctgccgagt gtcccggagc tcgctgaaac 420

cctgtgccca ggcagccacc ctggccgcgt accccgcgga gactccacg gccggggaag 480

agtaccccag ccgcccact gagtttgct tctatccggg atatccggga acctaccagc 540

ctatggccag ttaccttga cgtgtctgtg gtgcagactc tgggtgctcc tggagaaccg 600

cgacatgact ccctgntgcc tgtggacagt taccagtctt gggctctcgc tgggtgctgg 660

aacagccaga tgtgtgnca gggagaacag aaccaccag gtccctttg gaaggcagat 720

ttgcagactn cagcgggca

739

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<212> DNA  
<213> Homo sapiens

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gttacctgga cgtgtctgtg gtgcagactc tgggtgctcc tggagaaccg cgacatgact 180  
ccctgttgc tgtggacagt taccagtctt gggctctcgc tgggtgctgg aacagccaga 240  
tgtgttgcca gggagaacag aaccaccag gtccctttg gaaggcagca ttgcagact 300  
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agaccaggaa cctgccaagc ccaggctgg ggccaaggac tctgctgaga ggcccctaga 660  
gacaacccc ttcccaggcc actggctgct ggactgttcc tcaggagcgg cctgagtacc 720  
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<212> DNA  
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<223> a or g or c or t/u

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<221> misc\_feature

<222> (541)..(541)

<223> a or g or c or t/u

<400> 307

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tctccctggc aacacatctg gctgttcag ccaccagcga gagcccaaga ctggttaactg 120

tccacaggca acagggagtc atgtcgcggt tctccaggag caccagagt ctgcaccaca 180

gacacgtcca ggtaactggc cataggctgg taggttcccg gatatcccgg atagaaggca 240

aactcaatgg ggcggctggg gtactcttcc ccggccgtgg gagtctccgc ggggtacgcg 300

gccagggtgg ctgcctgggc acagggtttc agcgagctcc gggacactcg gcaggagtag 360

tacccgcctc caaagtaacc ataaggcacg ggagctgggg acgtcccctg gggcacccca 420

nggcatgggt ggcatgtctt tggcggctcc gccgagcctg gcagatcaa gggggcatag 480

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<210> 308

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (472)..(472)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (501)..(501)

<223> a or g or c or t/u

<400> 308

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 tccacaggca acagggagtc atgtcgcggt tctccaggag caccagagt ctgcaccaca 180  
 gacacgtcca ggtaactggc cataggctgg taggttcccg gatatcccgg atagaaggca 240  
 aactcagtgg ggcggctggg gtactcttcc ccgccgtggg agtctccgcg gggtacgcgg 300  
 ccagggtggc tgctgggca cagggtttca gcgagctccg ggacactcgg caggagtagt 360  
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 ggcatgggtg gcattgcttt ggcggctccg ccgagcctgg cagatccaag gnggcatagt 480  
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<210> 309  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<400> 309  
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 cagatgtgtt gccagggaga acagaacca ccaggctcct ttggaaggc agcatttgca 180  
 gactccagcg ggcagcacc tcctgacgcc tgcgccttcc gtcgcggccg caagaaacgc 240  
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 tcaccaagga caagaggcgc aagatctcgg cagccaccag cctctcggag cgccagatta 360  
 ccatctggtt tcagaaccgc cgggtcaaag agaagaaggt tctcgccaag gtgaagaaca 420  
 gcgctacccc ttaagagatc tccttgctg ggtgggagga gcgaaagtgt g 471`

<210> 310  
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 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (427)..(427)

<223> a or g or c or t/u

<400> 310

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gtaactgtcc acaggcaaca gggagtcacg tcgcgggtct ccaggagcac ccagagtctg 180

caccacagac acgtccaggt aactggccat aggctggtag gttcccgat atcccggata 240

gaaggcaaac tcagtggggc ggctggggta ctctccccg gccgtgggag tctccgcggg 300

gtacgcggcc aggggtggctg cctgggcaca gggtttcagc gagctccggg acactcggca 360

tgagtagacc cgccttcaa gtaaccataa ggcacgggag ctggtaacgt cccctggggc 420

acccanggc catgggtgca ttgcttggc ggctccgccg agccctgcag atccaagtg 480

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545

<210> 311

<211> 438

<212> DNA

<213> Homo sapiens

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<222> (366)..(366)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (375)..(375)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (415)..(415)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (419)..(420)

<223> a or g or c or t/u

<400> 311

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agactggtaa ctgtccacag gcaacaggga gtcatgtcgc ggttctccag gagcaccag 180

agtctgcacc acagacacgt ccaggtaact ggccataggc tggtaggttc ccgatatcc 240

cggatagaag gcaaacctcag tggggcgact ggggtactct tcccgccgt ggggagtctc 300

cgcggggtac gcggccagg gtggctgcct gggcaccagg ggttcagcg agtccggga 360

cactcgcag gaaantagta cccgcctccc aaagtaacca taagcaccgg actgngggnn 420

ggacgtcccc tggggcac 438

<210> 312

<211> 370

<212> DNA

<213> Homo sapiens

<400> 312

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ttccaaaagg gacctggtgg gttctgttct ccctggcaac acatctggct gttccagcac 120

cagcgagacc caagactggt aactgtccac aggcaacagg gagtcatgtc gcggttctcc 180

aggagcacc agagtctgca ccacagacac gtccaggtaa ctggccatag ctaggtaggt 240

tcccgatat cccggataga aggcaaacct agtggggcga ctgggtact ctccccggc 300

cgtgggagtc tccgcggggt acgcccattg gtggctgcct gggcacaggg ttccagcgag 360

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<212> DNA  
<213> Homo sapiens

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caaggaggca ctgtt 495

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<212> DNA  
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ccacaggcaa caggagtc tctgcggtt ctccaggagc acccagagtc tgcaccacag 180  
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<210> 315  
<211> 344  
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<213> Homo sapiens

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ccacaggcaa caggagtc tgctcgggt ctccaggagc acccagagtc tgcaccacag 180  
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<210> 316  
<211> 334  
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<213> Homo sapiens

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gacacgtcca gtaactggc cataggctgg taggttcccg gatatcccg atagaaggca 240  
aactcagtgg ggcggctggg gtactcttc ccggcgtgg gactctccg ggggtacgcg 300  
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<210> 317  
<211> 288  
<212> DNA  
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<223> a or g or c or t/u

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ccacaggcaa caggagtcga tgcgcgggtt ctccaggagc acccagagtc tgcaccacag 180

acacgtccag gtaactggcc ataggtnngt aggttcccgg atatcccga tagaaggcaa 240

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<210> 318

<211> 343

<212> DNA

<213> Homo sapiens

<220>

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<222> (238)..(238)

<223> a or g or c or t/u

<220>

<221> misc\_feature

<222> (300)..(300)

<223> a or g or c or t/u

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<221> misc\_feature

<222> (321)..(321)

<223> a or g or c or t/u

<400> 318

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acgtccaggt aactggccat aggtcggttag gttcccggat atcccggata gaaggcaaac 180

tcagtggggc gactggggta ctcttccccg gccgtgggag tctccgcggg gtacggcnac 240

agggtggctg cctgggcaca gggtttcagc gagtccggg acactcggca ggagtagtan 300

ccgcctcaaa gtaaccataa ngcacgggag ctggggacgt ccc 343

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<220>  
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<223> a or g or c or t/u

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gagagcccaa gactggtaac tgtccacagg caacagggag tcatgtcgcg gttctccagg 180  
agcaccaga gtctgcacca cagacacgtc caggtaactg gccataggct ggtaggttcc 240  
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<210> 320  
<211> 729  
<212> DNA  
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gagcgggagg ggggcggaat ctggtcgcgc actccccct gaccagccac ccagcggcgc 180  
ctacgtgat gcctgtgtc aactatgcc cttggatct gccaggctcg gcggagccgc 240  
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 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (301)..(301)  
 <223> a or g or c or t/u

<220>  
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 <223> a or g or c or t/u

<400> 321  
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 aatgcgccgg caggcccccc acccccagcc taagggtcag gaaggaccag cacgaaccg 180  
 ctggctttgc tgcgcggcca ggagatgagt cccaccgggc actgagccca ggtacaggac 240  
 atcagagaat gaacacagag gcagaggccc tcattgccct ctcagagtc cggctctgca 300  
 nagagcccgct ctgtctccag ctccagaat tccgactgt gaatctgtct acgtggactg 360

ggaaaacagg gttggcacca ctctgccact ccgtttgtgc ctgggaaggg ctaagtatgc 420

aaggctacaa acatctactt cactgggatc ccaaatgctc aacaacat gacctgctnt 480

ggtcagaacc accagaaata tt 502

<210> 322

<211> 282

<212> DNA

<213> Homo sapiens

<400> 322

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gctccatgga gcctggcata ttatgccacc ttggtatgga gccaaaggata tcgaaggctt 180

gctgggagcg ggaggggggc ggaatctggt cgcccactcc cctctgacca gccaccagc 240

ggcgctacg ctgatgcctg ctgtcaacta tgcccccttg ga 282

<210> 323

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (201)..(201)

<223> a or g or c or t/u

<400> 323

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gcaacaggga gtcatgtcgc ggttctccag gagcaccag agtctgcacc acagacacgt 180

ccaggtaact ggccataggt nggtagggtc ccggatatcc cggatagaag gcaaactcag 240

tggggcggtt ggggtactct tccccggccg tgggagtctc cgcggggtag gcgcacaggg 300

tggctgcctg ggcacagggt ttcagcgagc tccgggacac tcggcaggag tagtaccgc 360

ctccaaagta accataaggc a

381

<210> 324

<211> 405

<212> DNA

<213> Homo sapiens

<400> 324

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ccccagcct aaggtgcagg aaggaccagc acgaaccgc tggtttgct gcgcggccag 180

gagatgagtc ccaccgggca ctgagcccag gtacaggaca tcagagaatg aacacagagg 240

cagaggccct catgtccctc tcagagtccc ggctctgcaa agagcccgtc tgtctccagc 300

ttccagaatt ccgcacttg aatctgtcta cgtggactgg gaaaacaggg ttggcaccac 360

tctgccactc cgtttgtgcc tgggaagggc taagtatgca aggct 405

<210> 325

<211> 328

<212> DNA

<213> Homo sapiens

<400> 325

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acagcaggaa gactgaggag aggggaacgg gcagattcgt tgtgtggctg tgatgtccgt 120

ttagcatttt tctcagctga cagctgggta ggtggacaat ttagaggct gtctcttct 180

ccctcttgt ccacccata ggtgtaccc actggtcttg gaagcaccca tccttaatac 240

gatgatttt ctgtcgtgtg aaaatgaagc cagcaggctg cccctagtca gtccttctt 300

ccagagaaaa agagatttga gaaagtga 328

<210> 326

<211> 320

<212> DNA  
<213> Homo sapiens

<400> 326

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ggatgggtgc ttccaaaacc agtgggtaca ccctatgggg gggacaagga gggaggaaga 180  
gacagcctct acaattgtcc acctaccag ctgtcagctg agaaaaatgc taaacggaca 240  
tcacagccac acaacgaate tgcccgttcc cctctctca gtcttctgc tgttaccagg 300  
gtgagaggtg taatggaagg 320

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<213> Homo sapiens

<400> 327

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ggatgggtgc ttccaagacc agtgggtaca ccctatgggg tggacacagg agggaggaag 180  
agacagcctc tacaattgtc cacctacca gctgtcagct gagaaaaatg ctaaaccggac 240  
atcacagcca cacaacgaat ctgcccgttc cctctctc agtcttctg ctgttaccag 300  
ggtgagaggt gtaatggaag g 321

<210> 328  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 328

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aatgcgccgg caggcccccc acccccagcc taagggtgcag gaaggaccag cacgaacccg 180  
ctggctttgc tgcgcggcca ggagatgagt cccaccgggc actgagccca ggtacaggac 240  
atcagagaat gaacacagag gcagaggccc tcatgtccct ctcagagtcc cggctctgca 300  
aagagcccggt ctgtctccag cttccagaat tccgcactgt gaatctgtct acgt 354

<210> 329  
<211> 448  
<212> DNA  
<213> Homo sapiens

<400> 329  
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agtgcggaat tctggaagct ggagacagac gggctctttg cagagccggg actctgagag 180  
ggacatgagg gcctctgcct ctgtgttcat tctctgatgt cctgtacctg ggctcagtgc 240  
ccggtgggac tcattctctg gccgcgcagc aaagccagcg ggttcgtgct ggtccttcct 300  
gcaccttagg ctgggggtgg ggggcctgcc ggcgcattct ccacgattga gcgcacaggc 360  
ctgaagtctg gacaaccgc agaaccgaag ctccgagcag cgggtcgggtg gcgagtagtg 420  
gggtcgggtgg cgagcagttg gtggtggg 448

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<212> DNA  
<213> Homo sapiens

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aaggactctg ctgagaggcc cctagagaca acacccttc caggccactg gctgctggac 180  
tgttctcag gagcggcctg ggtacccagt atgtgcaggg aga 223

<210> 331  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 331  
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gttctttggg aaccctgggtg gagtgggctg tcacatgggg ttccgtctcc ctgcacatac 120  
tgggtacca ggccgtcct gaggaacagt ccagcag 157

<210> 332  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 332  
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ggcaggcccc ccacccccag cctaaggtgc aggaaggacc agcacgaacc cgctggcttt 180  
gctgcgcggc caggagatga gtcccaccgg gactgagcc caggtacagg acatcagaga 240  
atgaacacag aggcagaggc cctcatgtcc ctctcagagt cccggctctg caaagagccc 300  
gtctgtctcc agcttcaga attccgact gtgaacctcg tgcc 344

<210> 333  
<211> 344  
<212> DNA  
<213> Homo sapiens

<400> 333  
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cctgggtca gtgcccggtg ggactcatct cctggccgcg cagcaaagcc agcgggttcg 180  
tgctggtcct tctgcacct taggtgggg gtggggggcc tgccggcgca ttctccacga 240

ttgagcgcac aggcctgaag tctggacaac ccgcagaacc gaagctccga gcagcgggtc 300

ggtggcagtg agtgggggtcg gtggcgagca gttggtggtg ggcc 344

<210> 334

<211> 305

<212> DNA

<213> Homo sapiens

<400> 334

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gagaatgcgc cggcagcccc cacccccagc ctaagggtgca ggaaggacca gcacgaaccc 120

gctggctttg ctgcgcggcc aggagatgag tcccaccggc actgagccag gtacaggaca 180

tcagagaatg aacacagagg cagaggcctc atgtccctct cagagtcccg gctctgcaa 240

gagccgtact gtctccagct tccagaattc cgcactgtga atctgtctac gtggactggg 300

aaaac

305

<210> 335

<211> 687

<212> DNA

<213> Homo sapiens

<400> 335

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gctaattatg aataaatttg gaaggcgatc ctttgcagg gaagctttct ctgacacccc 120

cttcacattac acctctcacc ctggtaacag caggaagact gaggagaggg gaacgggcag 180

attcgttgtg tggctgtgat gtccgtttag cattttctc agctgacagc tgggtaggtg 240

gacaattgta gaggctgtct ctctctccct cttgtccac cccatagggt gtaccactg 300

gtcttggaac caccatcct taatacatg atttttctgt cgtgtgaaa tgaagccagc 360

aggctgcccc tagtcagtc ttcctccag agaaaaagag attgagaaa gtgcctgggt 420

aattcacat taatttctc ccccaaactc tctgagctct cccttaatat ttctggtggt 480

tctgacaaa gcaggatcatg gtttgttgag catttgggat cccagtgaag tagatgtttg 540  
tagccttgca tacttagccc ttcccaggca caaacggagt ggcagagtgg tgccaaccct 600  
gtttcccag tccacgtaga cagattcaca gtgcggaatt ctggaagctg gagacagacg 660  
ggctctttgc agagccggga ctctgag 687

<210> 336  
<211> 687  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (17)..(17)  
<223> a or g or c or t/u

<220>  
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<222> (42)..(42)  
<223> a or g or c or t/u

<400> 336  
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cccttcatt acacctctca ccctggtaac agcaggaaga ctgaggagag gggaacgggc 180  
agattcgttg tgtggctgtg atgtccgttt agcattttc tcagctgaca gctgggtagg 240  
tggacaattg tagaggctgt ctcttctcc ctcttgtcc acccatagg gtgtaccac 300  
tggtcttggga aacacccatc cttatacga tgattttct gtcgtgtgaa aatgaagcca 360  
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taattcacca ttaatttct ccccaaaact ctctgagtct tcccttaata ttctggtgg 480  
ttctgaccaa agcaggatcat ggtttgtga gcatttggga tcccagtga gtagatgttt 540  
gtagccttgc atacttagcc ctcccaggc acaaacggag tggcagagtg tgccaaccc 600

tgttttccca gtccacgtag acagattcac agtgcggaat tctggaagct ggagacagac 660

gggctctttg cagagccggg actctga 687

<210> 337

<211> 473

<212> DNA

<213> Homo sapiens

<400> 337

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gagaaagtgc ctgggtaatt caccattaat ttctccccc aaactctctg agtcttcct 120

taatatttct ggtggttctg accaaagcag gtcattggtt gttgagcatt tgggatccca 180

gtgaagtaga tgttttagc cttgcatact tagcccttcc caggcacaaa cggagtggca 240

gagtgggtcc aaccctgttt tccagtcga cgtagacaga ttcacagtgc ggaattctgg 300

aagctggaga cagacgggct ctttgagag ccgggactct gagagggaca tgagggcctc 360

tgcctctgtg ttcattctct gatgtcctgt acctgggctc agtgcccggt gggactcacc 420

tcctgggcgc gcagcaaagc cagcgggttc gtgctggtcc ttctgcacc tta 473

<210> 338

<211> 514

<212> DNA

<213> Homo sapiens

<400> 338

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gctgtgatgt ccgtttagca ttttctcag ctgacagctg ggtaggtgga caattgtaga 120

ggctgtctct tctccctcc ttgtccacc catagggtgt acccactggt cttggaaaca 180

cccatcctta atacgatgat ttttctgtc tgtgaaaatg aagccagcag gctgcccta 240

gtcagtcctt ccttcagag aaaaagagat ttgagaaagt gcctgggtaa ttcaccatta 300

atttctccc ccaaactctc tgagtcttcc cttaatatit ctggtggttc tgaccaaagc 360

aggatcatggt ttgttgagca ttgggatcc cagtgaagta gatgtttgta gccttgcata 420  
 cttagccctt cccaggcaca aacggagtgg cagagtggg ccaaccctgt tttccagtc 480  
 cacgtagaca gattcacagt gcggaattct ggaa 514

<210> 339  
 <211> 477  
 <212> DNA  
 <213> Homo sapiens

<400> 339  
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 acaaacggag tggcagagt gtgccaacct tgtttccca gtccacgtag acagattcac 180  
 agtgcggaat tctggaagct ggagacagac gggctcttg cagagccggg actctgagag 240  
 ggacatgagg gcctctgcct ctgtgttcac tctctgatgt cctgtacctg ggctcagtgc 300  
 ccggtgggac tcattctctg gccgcgcagc aaagccagcg ggttcgtgct ggtccttcct 360  
 gcaccttagg ctgggggtgg ggggcctgcc ggcgcattct ccacattga gcgcacaggc 420  
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<210> 340  
 <211> 355  
 <212> DNA  
 <213> Homo sapiens

<400> 340  
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 gcagagtgg gccaacctg tttccagc ccacgtagac agattcacag tgcggaattc 180  
 tggaagctgg agacagacgg gctctttgca gagccgggac tctgagagg acatgagggc 240  
 ctctgcctct gtgttcattc tctgatgtcc tgtacctggg ctacgtgccc ggtgggactc 300

atctcctggc cgcgcagcaa agccagcggg ttcgtgctgg tccttcctgc acctt 355

<210> 341

<211> 490

<212> DNA

<213> Homo sapiens

<400> 341

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ctcaccctgg taacagcagg aagactgagg agaggggaac gggcagattc gttgtgtggc 120

tgtgatgtcc gtttagcatt ttctcagct gacagctggg taggtggaca attgtagagg 180

ctgtctcttc ctccctcctt gtccacccca taggggtgtac ccactgggtct tggaacacc 240

catccttaat acgatgattt ttctgtcgtg tgaaaatgaa gccagcaggc tgcccctagt 300

cagtccttcc ttccagagaa aaagagattt gagaaagtgc ctgggtaatt caccattaat 360

ttctccccc aaactctctg agtcttcct taatattct ggtggttctg accaaagcag 420

gtcatggttt gttgagcatt tgggatccca gtgaagtaga tgtttgtagc ctgcatact 480

tagcccttcc 490

<210> 342

<211> 403

<212> DNA

<213> Homo sapiens

<400> 342

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cgccccgca cctcatgagc cgaccctcgg ctccatggag cccggcaatt atgccacctt 120

ggatggagcc aaggatatcg aaggcttgct gggagcggga ggggggcgga atctggtcgc 180

ccactcccct ctgagcagcc acccagcggc gcctacgtg atgcctgctg tcaactatgc 240

ccccttgat ctgccaggct cggcggagcc gccaaagcaa tgccacccat gccctggggt 300

gccccagggg acgtccccag ctcccgtgcc ttatggttac ttggaggcg ggtactactc 360

ctgccgagtg tcgcggagct cgctgaaacc ctgtgccag gca 403

<210> 343  
<211> 562  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (533)..(533)  
<223> a or g or c or t/u

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cttcattac acctctcacc ctggaacag caggaagact gaggagaggg gaacgggcag 180  
attcgttggtg tggctgtgat gtccgtttag cattttctc agctgacagc tgggtaggtg 240  
gacaattgta gaggtgtgtc ctctctccct cctgtccac cccatagggt gtaccactg 300  
gtcttgaaa caccatcct taatacatg attttctgt cgttgaaaa tgaagccagc 360  
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aatcaccat taatttctc ccccaaactc tctgagtctt ccctaatat ttctggtggt 480  
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tagccttgca tacttagccc tt 562

<210> 344  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 344  
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cagctgtcag ctgagaaaaa tgctaaacgg acatcacagc cacacaacga atctgcccgt 180



tccctctcc tcagtctcc tgctgttacc aggggtgagag gtgtaatgga aggggggtctg 240  
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 tgaaagcggg ttctaaagtg ctctacagag ctctagatag aaaatatgag gctaacgac 360  
 atggcagcta gtactggta tcgtgattat tgccactgtc aggatgaatg attatgactg 420  
 ggccagggtc ttgggaacc ctgggtggagt gggctgtcac atg 463

<210> 345  
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 <212> DNA  
 <213> Homo sapiens

<400> 345  
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 atactgggta cccaggccgc tctgaggaa cagtcagca cagggttca gcgagctccg 180  
 ggacactcgg cctcgtgc 198

<210> 346  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400> 346  
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 ggatgggtgc ttccaaaacc agtgggtaca ccctatgggg tggacaagga gggaggaaaa 180  
 aacagcctct acaattgtcc acctaccag ctgtcagctg aaaaaaatgc taaacggaca 240  
 tcacagccac acaacgaac tgcccgtcc cctctctca gtcttctgc tgttaccagg 300  
 gtgaaagggtg taatggaagg 320

<210> 347  
<211> 421  
<212> DNA  
<213> Homo sapiens

<400> 347  
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taaggtgcag gaaggaccag cacgaacccg ctggctttgc tgcgcggcca ggagatgagt 180  
cccaccgggc actgagccca ggtacaggac atcagagaat gaacacagag gcagaggccc 240  
tcattgtcct ctcagagtcc cggtctgca aagagcccgt ctgtctccag ctccagaat 300  
tccgcactgt gaatctgtct acgtggactg ggaaaacagg gttggcacca ctctgccact 360  
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c 421

<210> 348  
<211> 272  
<212> DNA  
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gatcatggca gctagtactg gttatcgtga ttattgccac tgcaggatg aatgattatg 180  
actgggccag gttctttggg aaccctgggtg gagtgggctg tcacatgggg ttccgtctcc 240  
ctgcacatac tgggtaccca ggccgctcct ga 272

<210> 349  
<211> 679  
<212> DNA  
<213> Homo sapiens

<400> 349

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 ggctccatgg agccccggcaa ttatgccacc ttggatggag ccaaggatat cgaaggcttg 180  
 ctgggagcgg gagggggggcg gaatctggtc gccactccc ctctgaccag ccaccagcg 240  
 gcgcctacgc tgatgcctgc tgtcaactat gcccccttg atctgccagg ctggcgagg 300  
 ccgccaaagc aatgccacc atgccctggg gtgcccagg ggacgtccc agtcccgtg 360  
 ccttatggtt actttggagg cgggtactac tctgccgag tgtccggag ctgctgaaa 420  
 ccctgtgcc aggcagccac cctggccgcg taccgcgg agactccac ggccggggaa 480  
 gagtaccca gccgcccac tgagttgcc ttctatccgg gatatccgg aacctaccag 540  
 cctatggcca gttacctgga cgtgtctgtg gtgcagactc tgggtgtcc tggagaacgc 600  
 gacatgactc cctgttcct gtggacagt accagtctt ggctctcgt ggtggctgga 660  
 acagccagat gtgttgcca 679

<210> 350  
 <211> 393  
 <212> DNA  
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<400> 350  
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 gaatgcgccg gcaggcccc caccaccagc ctaaggtgca ggaaggacca gcacgaaccc 180  
 gctggctttg ctgcgcggcc aggagatgag tcccaccggg cactgagccc aggtacagga 240  
 catcagagaa tgaacacaga ggagaggcc ctcatgtccc tctcagagtc ccggtctgc 300  
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 gggaaaacag ggttggcacc actctgccac tcc 393

<210> 351  
<211> 504  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (479)..(479)  
<223> a or g or c or t/u

<400> 351  
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<211> 219

<212> DNA

<213> Homo sapiens

<400> 353

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gttctccagg agcaccaga gtctgcacca cagacacgt 219

<210> 354

<211> 699

<212> DNA

<213> Homo sapiens

<400> 354

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<211> 575

<212> DNA

<213> Homo sapiens

<400> 355

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<210> 356

<211> 684

<212> DNA

<213> Homo sapiens

<400> 356

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 <211> 597

<212> DNA

<213> Homo sapiens

<400> 362

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<211> 300

<212> DNA

<213> Homo sapiens

<400> 363

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<210> 364

<211> 508

<212> DNA

<213> Homo sapiens

<400> 364

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<211> 284

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<213> Homo sapiens

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<223> a or g or c or t/u

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<221> misc\_feature

<222> (269)..(269)

<223> a or g or c or t/u

<400> 365

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<211> 651

<212> DNA

<213> Homo sapiens

<400> 366

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<211> 498

<212> DNA

<213> Homo sapiens

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<400> 370

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<210> 371

<211> 469

<212> DNA

<213> Homo sapiens

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<210> 372

<211> 472

<212> DNA



<213> Homo sapiens

<400> 372

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tctgagtctt cccttaatat ttctgggtgt tctgacaaa gcaagtcatg gttgttgag 180

catttgggat cccagtgaag tagatgtttg tagccttgca tacttagccc ttcccaggca 240

caaacggagt ggcagagtgg tgccaaccct gtttcccag tccacgtaga cagattcaca 300

gtgcggaatt ctggaagctg gagacagacg ggctctttgc agagccggga ctctgagagg 360

gacatgaagg cctctgcctc tgtgttcatt ctctgatgtc ctgtacctgg gctcagtgcc 420

cgggtgggact catctcctgg ctgcgcagca aagccagcgg gttcgtgctg gt 472

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<211> 450

<212> DNA

<213> Homo sapiens

<400> 373

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ggctgaggcc aaggactctg ctgagaggcc cctagagaca acacccttc caggccactg 180

gatgctgaac tgtccctcag gagcggcctg ggtaccagat atgtgcaggg agacggaacc 240

ccatgtgaca gccactcca ccagggttcc caaagaacct ggccccagtc ataatcattc 300

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<211> 472

<212> DNA

<213> Homo sapiens

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ccatgatcgt aagcctcata ttgctatct agagctctgt agagcccttt agaaaccgct 420  
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<210> 375

<211> 320

<212> DNA

<213> Homo sapiens

<400> 375

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tattttctat ctgagctct gtagagcact ttagaaaccg ctttcatgaa tggagctaat 180  
tatgaataaa ttggaaggc gatcccttgg cagggaagct ttctctcaga ccccttcca 240  
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<211> 459

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

<220>  
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<223> a or g or c or t/u

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<210> 377  
<211> 156  
<212> DNA  
<213> Homo sapiens

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gggggtgggg ggcctgccgg cgcatctcc acgatt

156

<210> 378

<211> 467

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<213> Homo sapiens

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<223> a or g or c or t/u

<400> 378

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ggaacctgcc agccccaggc tgggcccaag gactctgctg agaggcccct agagacaaca 180

cccttcccag gccactgtct gctggactgt tctcaggag cggcctgggt acncagtatg 240

tgcagggaga cggaaccca tgtgacagcc cactccacca ggttccaa agaacctggc 300

ccagtcataa tcattcatcc tgacagtggc aataatcacg ataaccagta ctagctgcca 360

tgatcgtag cctcatattt tctatctaga gctctgtaga gcactttaga aaccgcttc 420

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<210> 379

<211> 666

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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 aacctgtgc ccaggcagcc accctggccg cgtacccgc ggagactccc acggccgggg 420  
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 cgcgacatga ctcctgttg cctgtggaca gttaccagtc ttgggctctc gctngtggt 600  
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tcccctatgg ggatgggtcca ctgtcactgt ttctctgtg ttgcaaatac atggataaca 600

catttgattc tgtgtgtttt cataataaaa ctttaaaata aaatgcaaaa aaaaaaaaaa 660

aaaa 664

<210> 381

<211> 1308

<212> DNA

<213> Homo sapiens

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gctggaaggg gagcctgtag ccctgaggtg ccccaggtg ccctactggt tgtgggcctc 240

tgtcagcccc cgcacaaacc tgacatggca taaaaatgac tctgctagga cgggtcccagg 300

agaagaagag acacggatgt gggcccagga cgggtgctctg tggttctgc cagccttgca 360

ggaggactct ggcacctacg tctgcactac tagaaatgct tcttactgtg acaaaatgct 420

cattgagctc agagtttttg agaatacaga tgctttcctg ccgttcactc catacccgca 480

aattttaacc ttgtcaacct ctgggggtatt agtatgccct gacctgagt aattcacccg 540

tgacaaaact gacgtgaaga ttcaatggta caaggattct cttcttttgg ataaagacaa 600

tgagaaattt ctaagtgtga gggggaccac tcacttactc gtacacgatg tggccctgga 660

agatgctggc tattaccgct gtgtcctgac atttgcccat gaaggccagc aatacaacat 720

cactaggagt attgagctac gcatcaagaa aaaaaaagaa gagaccattc ctgtgatcat 780

ttccccctc aagaccatat cagcttctct ggggtcaaga ctgacaatcc cgtgtaaggt 840

gtttctggga accggcacac ccttaaccac catgctgtgg tggacggcca atgacacca 900

catagagagc gcctacccgg gaggcgcgt gaccgagggg ccacgccagg aatattcaga 960

aaataatgag aactacattg aagtgccatt gatttttgat cctgtcaca gagaggattt 1020  
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<212> DNA  
<213> Homo sapiens

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 <212> DNA  
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<210> 386

<211> 626

<212> DNA

<213> Homo sapiens

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<223> a or g or c or t/u

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<210> 387  
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 <212> DNA  
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<213> Homo sapiens

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